



Join the

SUCCULENT PARADE

This Year!

-1960-

Price 25c

LIBRARY
RECEIVED
★ MAR 2 1960 ★
U. S. Department of Agriculture



The popularity of cacti and other succulents increases each year. Long past the fad stage these fascinating plants are now an integral part of American gardening lore, as, indeed, they are part of gardening lore in many other countries around the world. The scientific pulse is quickening with the realization of vast new fields of research into all phases of study concerning cacti and other succulent plants. Further stimulus will be supplied by several important new books being published this year and are eagerly awaited by enthusiasts and collectors everywhere.

Decorative plantings of succulents abound in So. California and their inestimable value as pot and planter subjects is proven by their appearance almost everywhere in department stores and florists' windows. Bright, cheerful, bizarre—supply your own adjective, succulents fit them all. Collectors will find them an inexhaustible source of new plants, and plant lovers will enjoy them for their interesting form and beauty.

So, join the succulent parade this year.

Harry Johnson



**PLANTER SELECTION
COLLECTION H22**

A selection of cacti and succulents similar to the planting at left suitable for bowl or strawberry jar including Tiger Jaws, Starfish Flower, Necklace Vine, Peruvian Apple, Bunny Ears, Rainbow Bush, and Christmas Cheer, 7 plants, can be supplied **\$2.40** unlabelled for.....

See shipping terms page 18

JOHNSON

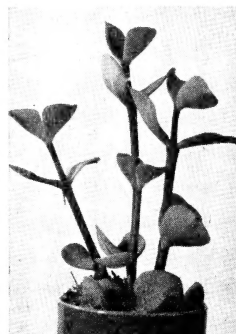
CACTUS GARDENS

PARAMOUNT, CALIFORNIA

SUCCULENTS

FROM ALL OVER THE WORLD

SINCE 1876



GIANT ELEPHANT BUSH

An attractive new plant, *Portulacaria afra* forma *gigantea* has much larger leaves than the more common form. Deep mahogany stems and soft green leaves. Easy culture. Best in full sun. Plant 3 for a perfect pot. \$1. Each.....

40c

KEYED CULTURAL DIRECTIONS

P. Means partial shade or filtered light. Not dense shade or away from window.
S. Full sunlight in winter. In summer if indoors behind a closed window protect from noon sun.

M. Moist without keeping wet.

SR. Summer rest period. Some South African succulents as Lithops and Split Rock normally rest during our summer. These should be kept on the dry side from June to early September. Water lightly occasionally to prevent shriveling. If over-watered when dormant they may turn soft.



ECHINOPSIS JOHNSON'S HYBRID

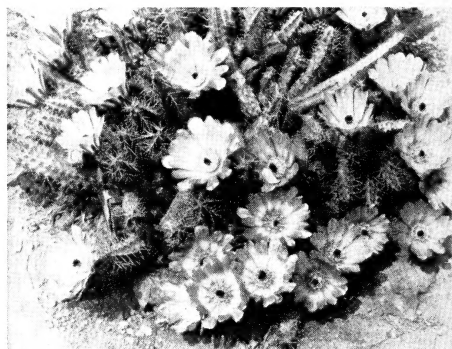
A propagating bed in full flower at our nursery. Note that some of the plants have a dozen flowers open! There is no more exquisite sight in nature than the pink trumpet flowers of *Echinopsis* or Easterly Cacti glistening with morning dew.....

75c

SUCCULENT CULTURE

Succulents in general require a little more water than true cacti. Most need an open porous soil rather than a sticky loam. Soil through which water drains without standing. One part crumbly loam, 2 parts clean moderately coarse sand (chicken grit or building sand) and 1/2 to 1 part of leafmold or peatmoss is suitable. Some very successfully use just sand and leafmold.

WATERING. Water in the morning so plants will dry off. Water when soil is dry down 1/2". Never water while still moist unless directions are specifically given under plant description.



HEDGE HOG CEREUS

A specimen plant of Hedge Hog Cereus (*Echinocereus pentaglyphus*)—see color plate p. 33—in full bloom at our nurseries in June. Each petal tip is a soft lilac-pink shading to chaste white with a center of golden yellow stamens centered with bright green stigma. There were over 30 flowers open on this specimen. Sure proof of its free flowering propensities. You are invited to view this beauty and many others at our nurseries. Each.....

50c

TERMS

\$5.00 or more sent postage and handling free.

Less than **\$5** add **\$1** extra to cover packing and postage costs.

\$10 orders sent for **\$9**. Over **\$10** take **10% discount**.

No. C.O.D. orders accepted.

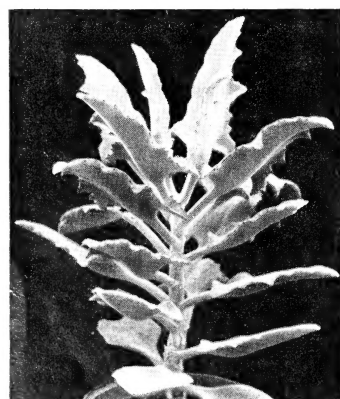
HOW WE SHIP: Parcel Post.

OUR GUARANTEE is for safe delivery of clean healthy stock correctly labelled. We cannot undertake to make good plants lost through improper care. If plants are injured in shipment and we are notified at once **we will give credit** for all damaged items **to be replaced with your next order**.

HOW TO REACH OUR NURSERIES

You are cordially invited to visit our nurseries every day including Sundays. Open: Monday through Saturday 8 to 5, Sunday 10 to 5. Closed Easter, Labor Day, Thanksgiving Day, Christmas Day, and New Year's Day. Specimen plants and many rare or new species not included in our current catalogs are to be seen. Also there are collections of Water Lilies, pool and bog plants on display. Paramount is 20 miles from City Hall, Los Angeles. It can be reached by auto via Long Beach Freeway south to Olive St. (possible change to Alondra) turn-off (east), traveling east to Garfield Ave., turning south one-half mile to nursery. Nursery address: 16613 S. Garfield Ave., Paramount. Phone NEvada 6-1555.

Also by way of Route 14 (Manhattan Beach) to Cherry Ave., No. Long Beach, then 5 blocks north on Cherry to nursery.



KALANCHOE ROSE LEAF

Our first introduction of this fine hybrid produced by Mrs. Hummel of Hummel's Exotic Gardens. The photo shows a plant in young form. As the plant matures the leaf margins become more deeply incised and edged with chocolate brown. Note how the stem remains fully clothed with leaves close to the bottom. Perfect as a pot plant and handsome as a landscape plant in frost free areas.\$1



FAIRY WASHBOARD

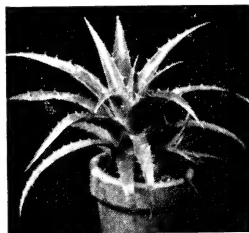
A curious succulent with rigid firm-textured leaves with transverse raised bands. *Haworthia limifolia* is a rare collector's item seldom offered. Easy culture (P), slow of growth, occasionally sending out underground stolons to form young plantlets. Large \$1. Small..... **75c**

AGAVE

Agave bracteosum. Small soft leaved spineless plant. Beautiful spikes white flowers. 50c. *A. huachuensis*. 50c. *A. parviflora*. 50c.

ALOE

Aloe africana. Tree type. 50c. *A. bakeri*. Dwarf. \$1. *A. comosa*. \$2. *A. dinteri*. 75c. *A. millotii*. Dwarf. 50c. *A. sladeniana*. 75c.



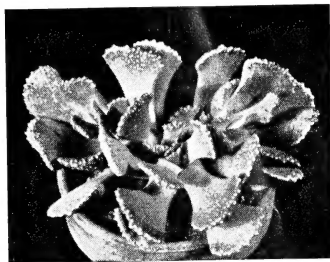
PUYA ALPESTRIS

Silvery green rosettes with barbed margins. An excellent house plant, eventually forming a landscaping subject bearing stalks of metallic blue flowers with orange stamens. Culture S. Each..... **75c**



AIR PLANT

Also "Xmas Bells." *Kalanchoe tubiflora* bears young plantlets at the leaf tips! Leaves mottled olive green and maroon. Rose pink bells formed on mature plants in full sun. 2 for..... **40c**

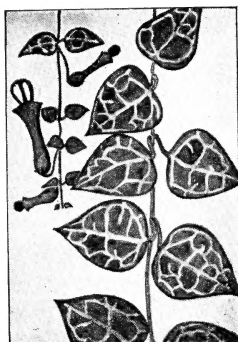


GIANT JEWEL PLANT

Nananthus malherbii is a small clustering plant whose leaves color varying shades of brown, purple and green in full sun. Leaf tips are embossed with tiny papillae giving the plant a jewel-like appearance. Culture SR. Small yellow flowers in late summer. Full sun or partial shade. Good drainage. Each..... **45c**

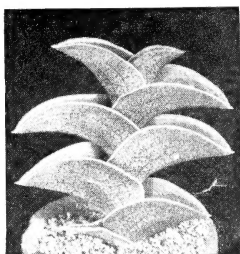
HAWORTHIA

skinneri.....	50c	planifolia var.....	\$1
mirabilis var.....	75c	setulifera.....	\$1
denticulata.....	\$1	turgida var turgida.....	75c
umbtraculata.....	75c	janseniiana.....	75c
subregularis.....	\$1	nitidula.....	\$1
cymbiformis.....	75c	emilyae.....	\$1
magnifica.....	\$1	elycia.....	\$1.25
pilifera.....	75c	greenii.....	\$1.25
maraisii.....	\$1	decipiens.....	\$1
reticulata.....	\$1	altifolia.....	75c



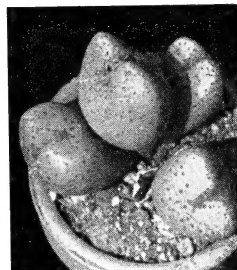
UMBRELLA FLOWER

A vine with fleshy maroon and silver veined leaves and curious tubular umbrella-tipped flowers. *Ceropegia barkleyi* makes a handsome hanging pot or window ledge specimen. Culture P. Each..... **45c**



CHAIN PLANT

Tradescantia navicularis has pretty pink flowers on dark trailing stems. With sufficient light the leaves are dark colored and close-spaced. Easy culture, fine in pot or mixed with other succulents. Each..... **35c**



CONOPHYTUM ERNIANUM

Speckled plump green leaves with only a small notch remaining to show origin of two joined leaves. SR. Each..... **50c**

BESCHORNERIA YUCCOIDES

Loose rosettes of glaucous blue-green leaves. When planted outside (in frostless areas) it quickly reaches maturity and produces 6 ft. flower spikes of green and blue flowers with bright pink bracts. Use a rich, loose soil. Each..... **\$1**

ACANTHOSTACHYS

STROBILACEAE

An attractive member of the Pineapple Family or Bromeliaceae with long narrow leaves. Flowers in bright red and yellow striped cones, are produced all summer. A graceful, handsome hanging basket. Each..... **\$1**



EYE LEAVES

Ophthalmophyllum have plump green, sometimes reddish, finger-like leaves (actually 2 joined leaves) with translucent windows at the tips. Flowers usually white, sometimes tinged pink. Culture SR. Well drained soil. A very rare collector's item, sure to be the pride of any collection. Each..... **\$1**

VELVET LEAF

Also "Napoleon's Hat," "Velour Plant"; *Kalanchoe beharensis* has fleshy leaves and stems clothed in silvery velvet; upper surface light brown. Fine pot plant, can be kept small by pinching top, fine for landscaping. Each..... **75c**

OAK LEAF. Notched, chestnut brown leaves. Each..... **\$1**

SILVER VELVET LEAF. Clothed in silver plush. Each..... **\$1**

Rose Leaf. see cut.

COTYLEDON DINTERI

Tree-like plants with thick trunk to 12"-18" like miniature ming trees. Slender dark green leaves, old plants flowering with long panicles of pale yellow bells. Summer dormant. Mature plants..... **\$3.25**

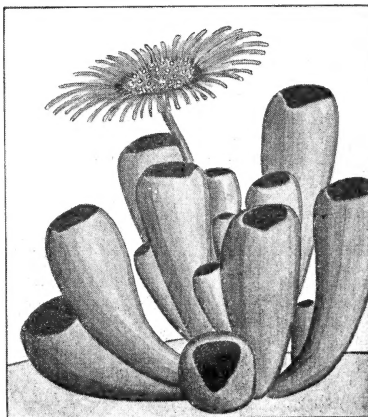
PEDILANTHUS

TITHYMALOIDES VAR.

One of the "Slipper Flowers" with green and white or cream variegated leaves and stem. Often tinged pink in sun. Each..... **75c**

BABY TOES

Clusters of spindle shaped leaves with clear green windows at the tips. In summer it bears white daisy-like flowers. *Fenestraria rhopalophylla* is a most curious S. African mimicy plant. Culture SR. Easily grown..... **50c**





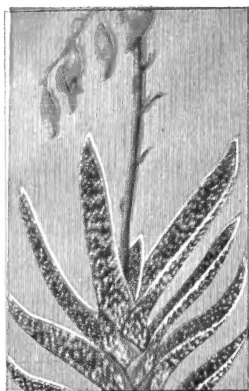
PAINTED LADY

Powdery-blue leaves tipped with red, forming small rosette-clusters. Short stalks of orange-red bells appear in summer. Given a light soil and adequate light Echeveria derenbergii will be among your most highly colored plants. Culture S. **40c**

EUPHORBIA

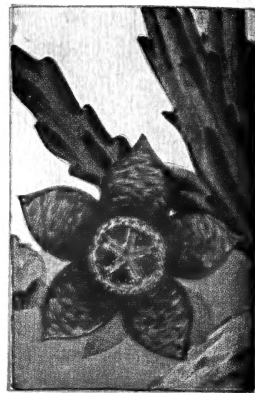
The Succulent Euphorbias like a rich well drained soil to do their best. Water when dry, but do not keep wet.

E. aggregata alternicolor.....	\$1
E. barteri	\$1.25
canariensis	\$3.50
carlsonii	\$1.50
coerulescens	\$3.50
frankiana	\$1
ferox	\$1
fruticosa	\$1
grandicornis	\$3.50
harrida	\$1
jansenvillensis	\$1.25
ledienii	\$1.50
nivulia	\$1.50
submammillaris	75c
suzannae	\$1.50
winkleri	\$3.50
officinatum	\$1
pseudocactus	75c



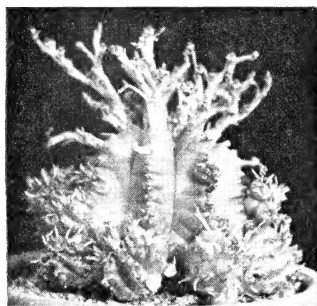
OX TONGUE

Almost all Gasterias have stiff two-ranked leaves. Give partial shade. Mature plants produce tall flower stalks with coral-pink blossoms. Each. **40c**



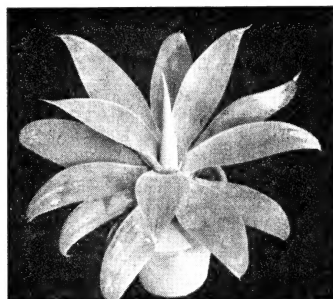
STARFISH FLOWER

Stapelia variegata has 5-pointed yellow and maroon spotted flowers like some strange starfish at the beach! Give plenty of light to flower. Each. **45c**



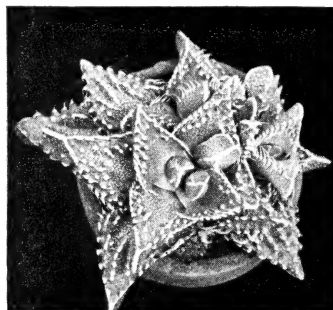
LITTLE MELONS

Bright green ribbed heads encircled by scores of tiny babies. Euphorbia meloformis enjoys sun or partial shade. Each. **75c**



AGAVE ATTENUATA

Silvery green chalice completely barless. Handsome for patio and landscaping in warm areas. Easy culture. **\$1.50**



KNOBBY TIGER JAWS

Fleshy, deep olive-green leaves freckled white with corrugations and teeth at the tips. Bright yellow daisy flowers in late summer. Makes handsome clusters. Culture SR. **75c**

MIMICRY PLANTS

COLLECTION H1

Closely resembling the rocks amongst which they grow, the mimicry plants are among the most fascinating in the plant kingdom. Plant them together in a 5" pot in quite sandy soil. Culture SR.

5 unlabelled kinds as Stone Face, Split Rock, Flowering Stones, etc. \$1.50

KALANCHOE

Leafy succulents of easy culture. Often with attractively colored leaves or bright flowers. Light potting soils and plenty of sunlight assures best coloring.

Kalanchoe Tom Thumb. A dwarf with bright crimson flowers.....	75c
K. Gold Dust. Tall clusters of bright yellow flowers, often fragrant.....	75c
K. Orange Queen. Bright orange flowers.....	\$1
K. Crimson Kalanchoe. (K. blossfeldiana).....	50c
K. marmorata. See cut p. 10.	
K. kewensis. Narrow dark leaves and tall clusters of bright pink flowers.....	75c
K. millotii. Silvery plush leaves.....	75c
K. figueridoi. Pretty, powdered white leaves.....	75c

CURIOSITY COLLECTION H2

8 nice plants including the 6 shown. A perfect selection for a planter bowl. \$3 value for.

CHRISTMAS CHEER

PEANUT CACTUS

Red flowers. Easily grown clusters. Each. **40c**

PINCUSHION

Flowering when small, it grows quickly in sun or part shade. Each. **40c**

BIRD'S NEST

Slim nipples tipped with curling yellow spines. **50c**

RED DRAGON

Red and black flowers. Cluster forming. **40c**

BRIGHTLY COLORED IN POOR SOIL. GROWS ANYWHERE.

Each. **35c**

FLOWERING PINCUSHION

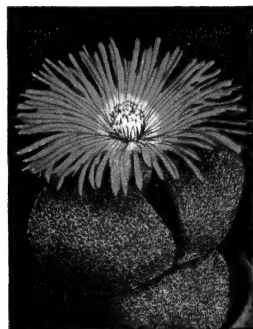
Easily grown, flowering in spring with a crown of carmine flowers. **40c**





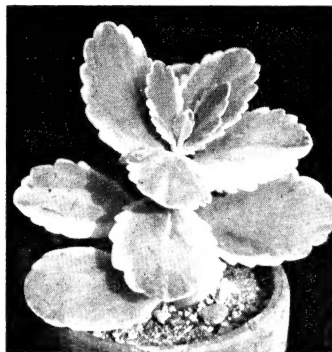
MEXICAN FIRECRACKER

Bright reddish orange and yellow blossoms give *Echeveria setosa* hybrid its popular name. Stemless, open rosettes; leaves covered with soft hairs, and turning reddish towards fall. A handsome plant. Culture S. Each..... **40c**



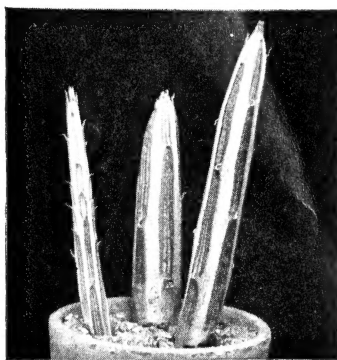
SPLIT ROCK

With rounded, plump olive-green or purplish leaves, *Pleiospilos nelii* looks just like a cluster of rocks. A fascinating mimicry plant. Culture SR. Each..... **50c**



RAINBOW KALANCHOE

Bluish-green leaves margined with cream and pink, the whole leaf often coloring as the plant matures with the top cluster of leaves looking like a rosebud. *Kalanchoe fedtschenkoi roseo marginata* does best in part shade. Each..... **75c**

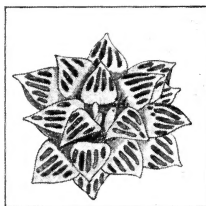


PEPPERMINT STICK

Pencil-like stems with bright green and white markings. *Senecio gregori* increases by underground stems and grows quickly. This brightly colored succulent is a fine addition to any collection. Generous treatment. Culure S. Each..... **60c**

PYGMY WINDOW

Lovely pale green rosettes with leaf tips flattened and marked with dark green translucent windows. *Hawthoria turrida* makes fine clusters with dozens of babies. Culture P. Each..... **40c**



STONE FACES LITHOPS

See photo p. 6

4 Collection H3
different Lithops
Unlabelled.

\$1.45

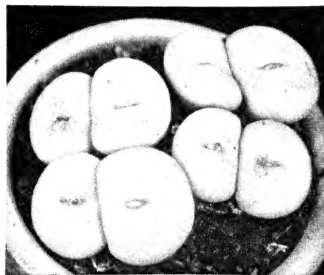
8 Collection H4
different Lithops
Unlabelled.

\$2.45



PUSSY EARS

Pointed leaves covered with downy hairs. *Cyanotis somaliense* has small purple flowers. Does best in very light soil and some shade. Potted..... **45c**



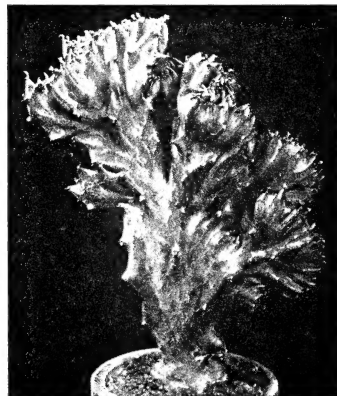
PINK STARS

Conophytum braunsii is a curious mimicry plant and also one of the prettiest with exquisite rose-pink flowers in early autumn. Greyish green leaves. With most of its growth made during winter months, it does best with summer rest period. Culture SR. Each..... **60c**



EUPHORBIA OBESA

A most curious S. African succulent with globe shaped or short-cylindric body like some strange puffball. Very shallow ribs or none at all, and faint transverse markings. The bearing of male and female flowers on separate plants is most intriguing. Plant in porous loam soil, water moderately, and give a light position. A pair is needed for seeds. Nice pairs **\$2.25.** Each..... **75c**

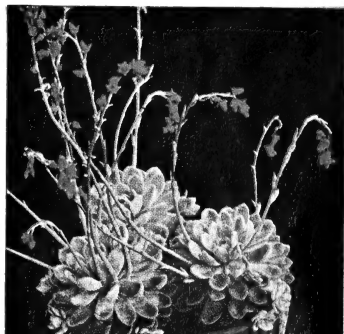


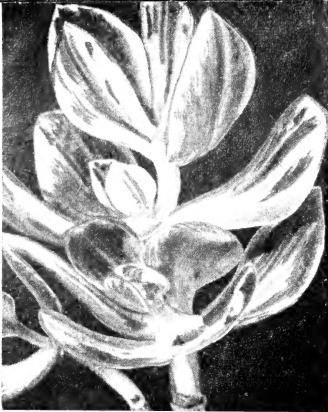
ELK HORN EUPHORBIA

Euphorbia lactea cristata is a very choice addition to any collection. It will always remain rare because of slow growth and very slow propagation. Deep green and streaked with white, the fans are fluted and waved. Handsome and curious. Give a rich open soil. Large 5"-6" fans **\$2.50**. Give a rich open soil. Large 5"-6" fans..... **\$2.50**. Large 4"-5" fans..... **\$2.50**

MEXICAN GEM

Bluish-white to snow white leaves depending on light and moisture. Each leaf is cupped and when plant is dry it forms tight balls. A clustering plant, *Echeveria elegans* quickly forms many heads. Each head produces a stalk of dusky rose blossoms. Easy to grow, brightest in full sun, sandy soil. Each..... **40c**

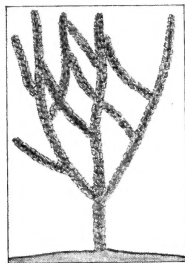




TRICOLORED JADE

Cream color and green leaves tinged with pink in full sun. *Crassula argentea* tricolor is popular and easily grown. Each.....

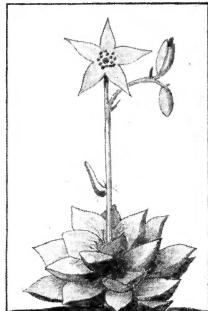
40c



PRINCESS PINE

Tightly packed green leaves clasping a slender stem and freely branching. Easily grown. *Crassula ly-copodioides* makes an interesting pot plant or filler in large pots. 2 for.....

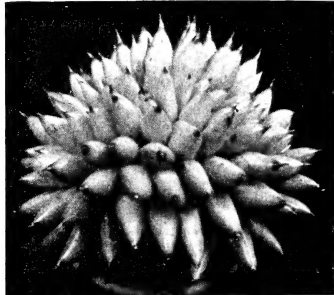
40c



THREAD SAND ROSE

Tiny dark green rosettes with sparse hairs along the margin. *Anacampseros rufescens* has small stalks of dainty pink flowers. Each.....

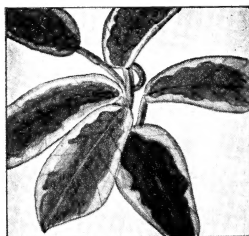
40c



CRESTED GREEN JADE

Crested variety forming large hemispherical crests. Bright jade-green leaves often tipped maroon. Loose silt soil with some leafmold, half shade location keeping moist but not wet. Fine plant for specimen pot. Nice plants.....

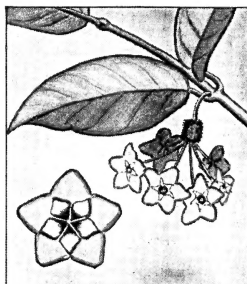
75c



TRICOLOR WAX VINE

A handsome vine with cream and pink margined leaves. *Hoya carnea* variegata makes an excellent house plant when trained on a small trellis. A light spongy soil. Culture M. Each.....

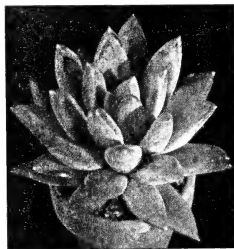
75c



WAX VINE

Large clusters of waxy pink blossoms against shiny green leaves. *Hoya carnea* bears flowers each year on the old flower stalk. Sand, leafmold, peatmoss. Culture P.M. Each.....

75c



BLUE CHALICE

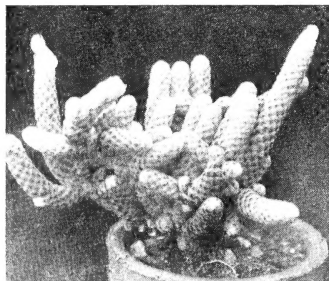
Pachyveria glauca forms beautiful slate-blue rosettes of rigid leaves and bears stalks of red-orange flowers. Part shade or sun. Attractive. Each.....

40c

ANACAMPSEROS BUDIERIANA

Tightly overlapping papery white scales completely cover the green leaves! A very rare and choice collector's item. Potted.....

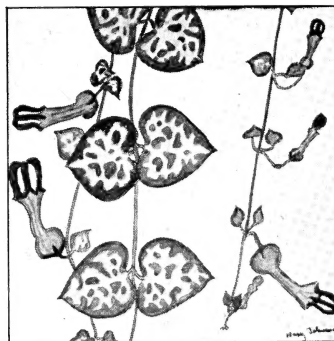
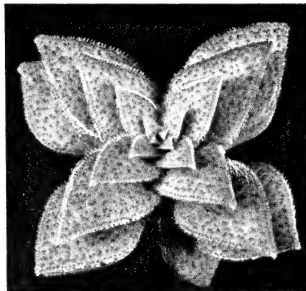
\$1.25



PINK ST. ANDREW'S CROSS

Chartreuse with darker green speckling. *Crassula triebneri* hybrid bears stalks of pink flowers so freely—even the tiniest plants flower, it is sometimes difficult to ship. Grows well in Jungle Mix. Each.....

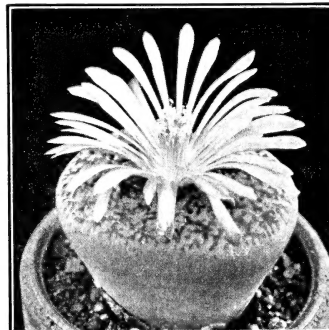
40c



HEART VINE

Also "Rosary Vine." *Ceropegia woodii* has potato like tubers that send out long vining stems with deep green and purplish leaves with silver veining. Curious tubular flowers. A most handsome plant for a hanging pot with its delicate tracery of leaves and stems. Potted.....

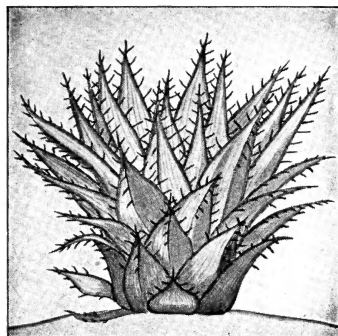
45c



STONE FACE

Lithops are beautiful, curious and interesting small succulents from S. Africa. They are mimicry plants as well as window plants and are often brightly colored. They closely resemble in color the soil or rocks among which they grow. Flowering in fall. See collections p. 5. Culture SR. Each.....

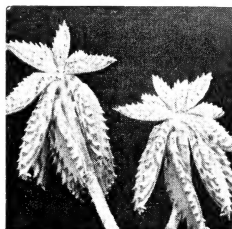
40c



LACE HAWORTHIA

Pale green leaves margined with white bristles gives Haworthia setata a lacy effect. It normally forms single tight rosettes 2"-3" in diameter. Does well in a sandy compost or just clean sand and peatmoss. Moderate watering, partial shade. Nice plants.....

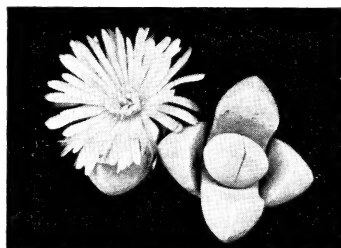
45c



COCONUT PALMS

With the right mood music you can imagine coconut palms on a tropic shore! Bryophyllum Houghtonii bears small plantlets at the leaf tips. Partial shade or full sun for best color. Easily grown. 2 for.....

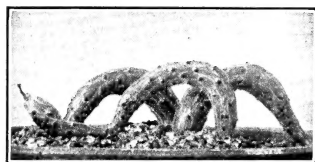
40c



KARROO ROSE

Greyish-white leaves suffused with rose and formed as though carved from stone. Lapidaria margaritae bears bright yellow flowers in autumn. As with many mesembs, it does best in light well drained soil with little water during summer. Grows mostly during fall and spring. Culture SR. Each.....

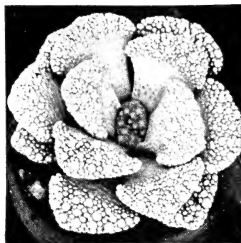
45c



INCH WORM

As though alive and humping itself along the ground! Animal or vegetable? Kleinia pendula sends out roots where ever it touches the soil and sends up a new loop. Red feather duster flowers borne during summer. Light well drained soil. Culture S. Each.....

45c



JEWEL PLANT

A mimicry plant, Titanopsis calcareum has pale green leaves, reddish in sun, each leaf tipped with tiny bosses. Yellow flowers in fall. Give well drained soil and a light airy position. Culture SR.

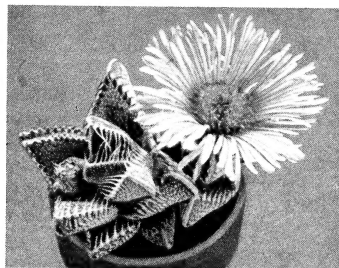
40c



DESERT ROSE

A. S. African "Mesemb" with bright rose-pink flowers. A true miniature, Trichodroma densa forms a small cluster. Each.....

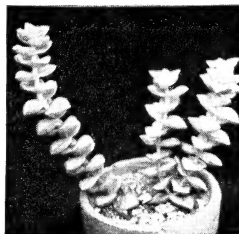
50c



TIGER JAWS

Triangular, deep green leaves freckled with white and margined with long teeth-like hairs that give it a ferocious appearance. A handsome clustering plant, flowering freely with yellow blossoms that open during the afternoon in fall. Large clusters will have several flowers at once. Foucaria Culture SR. Each.....

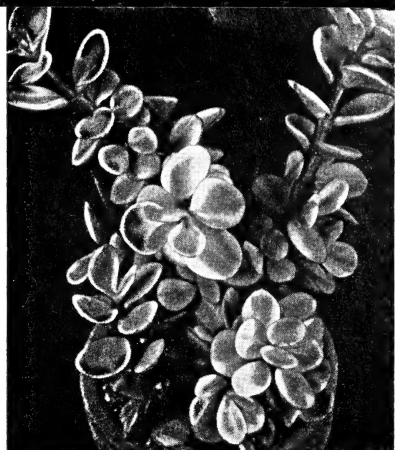
50c



BEAD VINE

Strings of bright green leaves make Crassula rupestris an excellent vine-like plant for a pot. Clusters of pink flowers further enhance its graceful attractiveness during summer. A sunny or partly shady location and moderate watering. 2 for.....

40c



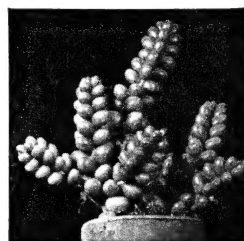
RAINBOW BUSH

Cream, pink and green leaves with dark stems. Portulacaria afra var. tricolor is a handsome pot plant and an excellent landscape subject in frostless areas where its low spreading habit makes a fine cover. Potted.....

45c

CORAL BEADS

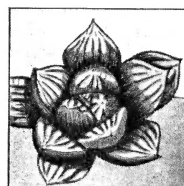
Round, reddish-coral leaves like a string of beads. Sedum stahlii is brightest in poor soil and plenty of light.



CORAL BEADS

2 for.....

40c



JOHNSON'S JUNGLE MIX

For all succulents.

per bag
120 cu. in. 75c
6 qt. box
postage free. \$2

WINDOW PLANT

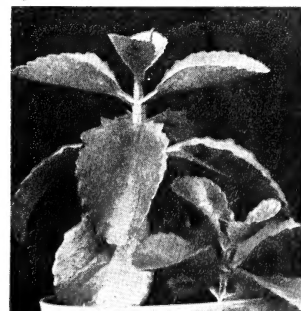
Haworthia cuspidata has fat green leaves with darker green windows. Soon forms a cluster. Each.....

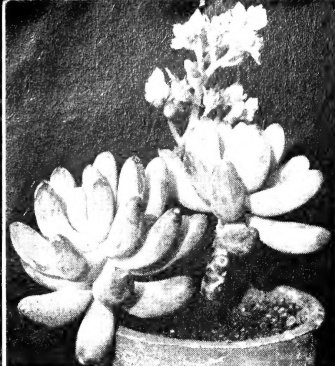
40c

KALANCHOE BRONZE

Thick fleshy green leaves turning red in full sun. Kalanchoe longiflora var. coccinea is a handsome new addition to our list. For brightest color plant in poor soil and give full sunlight. Tender. Each.....

50c

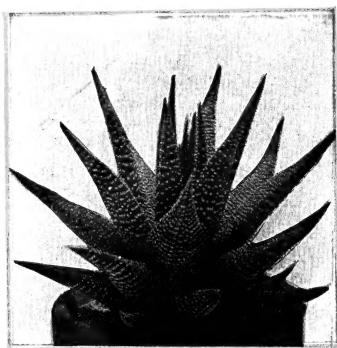




SEDUM ROSE TIPS

Clusters of fat rose-tipped leaves with a waxy surface. Sedum pachyphyllum hybrid has yellow flowers and branches quite freely. As with many succulents it achieves brightest coloring in sun and poor soil. Each.....

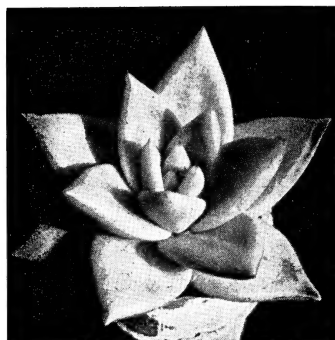
40c



WART PLANT

Haworthia attenuata has its leaves covered with tiny white ridges. Tight rosettes of rigid leaves are soon crowded at the base with babies. Sandy loams and humus which their roots can easily penetrate, partial shade and moderate watering. A deservedly popular plant.....

50c

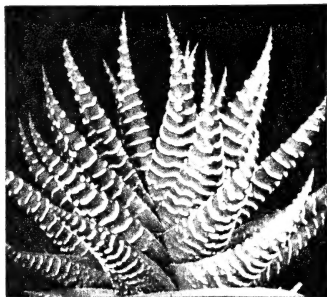


GREEN JADE

Very smooth, yellowish green to dark green leaves depending on light. Echeveria agavoides forms large rosettes 4" - 6" across and produces stalks of orange bells in summer. Easily grown in sun or partial shade. A beauty! Each.....

45c

Crested Green Jade. Small.....\$1



ZEBRA HAWORTHIA

Snowy white transverse bands or ridges characterizes Haworthia fasciata. This Haworthia has continued to be popular over the years because of beauty and cultural ease. An excellent house plant. Light, loamy soil or sandy loam and peatmoss and moderate watering. Partial shade. Each.....

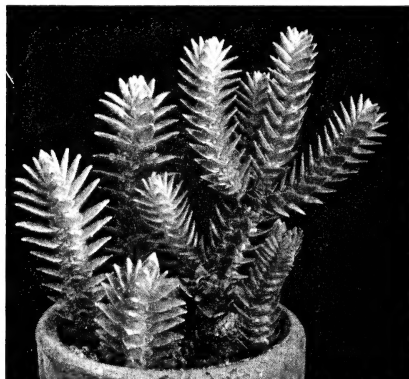
50c



LOVE PLANT

Closely related to Portulacas, Anacampseros lanceolata has thickened olive-green leaves and exquisite 1" pink flowers which are freely produced. Easy culture, soon forming lovely clusters to produce more flowers the following year.....

40c



GIANT'S WATCHCHAIN

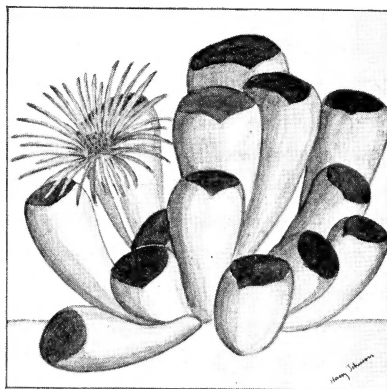
Bright green closely set leaves. A hybrid between Crassula pyramidalis and Crassula lycopodioides. Quickly grows to fill a pot. Give adequate light for best appearance. Culture. 2 for.....

40c

HAIRY STARFISH

One of the many fascinating Starfish Flowers, Stapelia hirsuta is one of the prettiest. Green finger like stems with handsome maroon flowers in late summer. The petals are fringed with soft purplish hairs. Well drained sandy loam and very slight watering in winter Potted.....

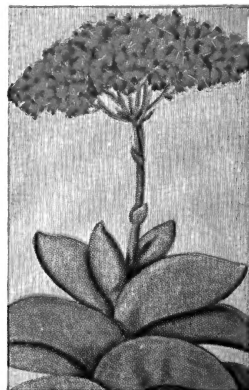
65c



ORANGE BABY TOES

Smooth green cone-shaped leaves forming loose rosettes each leaf tip with a darker green translucent window. During summer orange daisy-like flowers appear. Fenestraria aurantiaca slowly forms clusters of many heads. Well drained sandy loam with very little water during June, July and August. Grows mostly during fall and spring. Culture SR. Potted.....

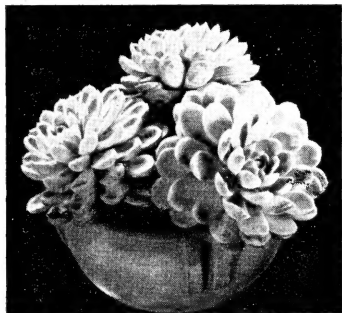
60c



SCARLET PAINT BRUSH

Soft pearl-gray leaves surmounted by a gorgeous cluster of scarlet flowers. Rochea falcata is a fine pot plant and a magnificent border plant in frostless areas. Sun or part shade. Each.....

45c



Echeveria Gilva Hybrid

Echeverias form a wonderfully varied group, all rosettes, but some smooth and others hairy, some with highly colored leaves or flowers, and all highly satisfactory pot and garden subjects. Echeveria gilva hybrid has cupped green leaves tinged red in winter. Tall stalks of pink flowers in spring. Each.....

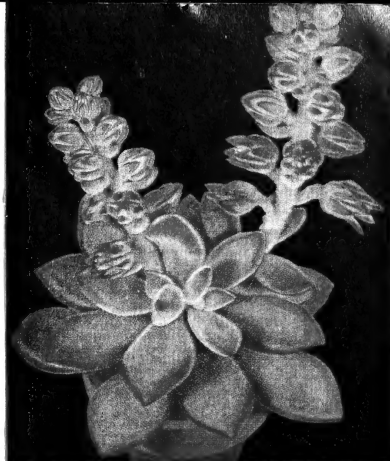
40c



CHRIST THORN

Also Crown of Thorns. Euphorbia splendens flowers freely from Feb. to Nov. Prefers a rich soil and ample water. Cactus Food keeps it blooming. Sun or part shade. Potted 4"-6".....

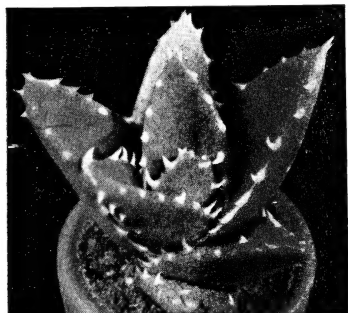
60c



CHENILLE PLANT

An all time favorite, Echeveria pulvinata is one of our loveliest succulents. Soft, plush covered leaves edged in red, brightest in fall and flowering in midwinter with crimson bells. For best color give a cool, light position, sandy loam and peat moss. Water when dry. Each.....

45c



GOLD TOOTHED ALOE

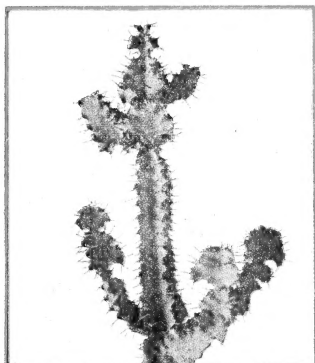
Olive green leaves edged with gold serrations or teeth. Aloe nobilis branches freely and soon forms a cluster. Part shade or full sun. Each.....

40c

EVERBLOOMING CHRIST THORN

Euphorbia splendens var. bojeri flowers all year much more than the old species. Flowers a deep red, plant bushy. Potted.....

65c



COWHORN

A superb specimen plant with broad winged stems and stout brown-grey spines. Euphorbia grandicornis prefers sandy loam and plenty of water when established. Fertilize with Cactus Food when growing well. Mature, small rooted cuttings.....

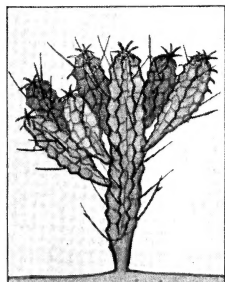
\$3.50



AFRICAN LIVING ROCK

Greyish-green leaves looking like nothing so much as a pile of stones! Pleiospilos stimulans has bright yellow daisy flowers in late summer. Give a light well drained soil. Water cautiously during midsummer. Culture SR. Each.....

50c



At Left

PICKANINNY TOES

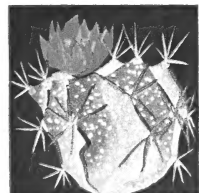
Slender green stems very freely branching. Euphorbia fimbriata hybrid makes beautiful small specimens. Each.....

45c

CACTUS FOOD

A very effective fertilizer with organic base. 12 oz. bag..... 50c 32 oz. bag.....

\$1



STAR CACTUS

Bright yellow blossoms, yellow spines. White spotted body. Choice.....

50c



STONE FACE

Beautifully marked. Lithops closely resembles stones. Rare Small.....

40c



OX TONGUE

Spotted leaves like huge tongues. Tall spikes of pink blossoms.....

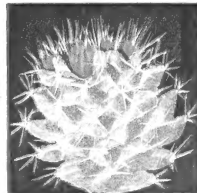
40c



AIR PLANT

Young plantlets borne at the leaf tips! Handsome rose blossoms. 2 for.....

40c



DUMPLING CACTUS

Blossoms when young. Dumpling is fine for bowls. Each.....

40c

BOWL COLLECTION H5

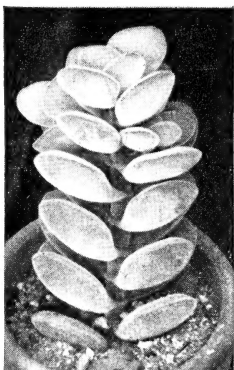
8 Nice plants including the 5 shown above. Unlabelled.....

\$2



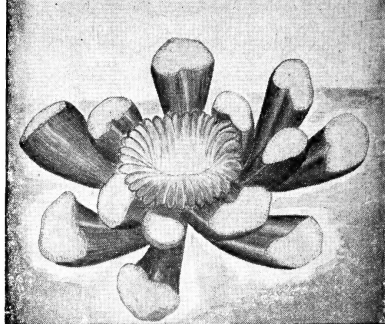
TWO LOBED CONOPHYTUM

Conophytums of this type will always be rare. Slow growing and slow to propagate though they are, they are fascinating, rewarding "mesembs". Cone shaped leaves divided only at the tip from which emerge their flowers—usually yellow. Plant in very sandy loam. Culture SR. Each..... **\$1**



CRASSULA VELVETA

One of the most attractive Crassula hybrids. Each leaf silvery-grey and rimmed with red. Short stalks of white flowers. Each..... **40c**



PURPLE BABY TOES

Each cone shaped leaf deep olive green, roughened surface, with leaf tip truncate and "windowed" with translucent green. Forming loose clusters. Frithia pulchra also has charming purple flowers. Grow in sandy loam. Culture SR. Potted..... **75c**

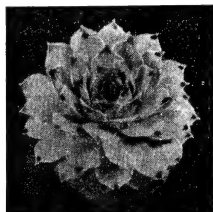
WHEN TO ORDER SUCCULENTS

Cacti travel well in hot weather but succulents do not. The first 11 pages of this catalog are devoted exclusively to succulents. In hot weather, the months of July, August, and September, we do not prefer to ship succulents. During this period they may lose their leaves shut up in boxes in a hot mail bag. They may go via Air Mail safely. Add 50c for each 6 plants or fraction for Air Mail. **NO SPLIT SHIPMENTS!**

SUCCULENT ASSORTMENTS

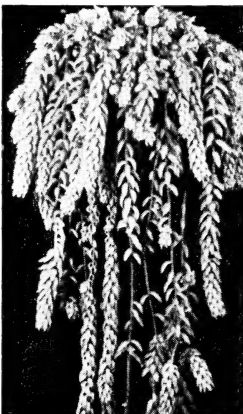
COLLECTION H6

15 Assorted succulents of various types for the beginner. All are good standard varieties such as are in this catalog. Crassulas, Echeverias, Mimicry plants, Haworthias, Kalanchoes and others of simple culture. Cultural leaflet sent with all orders. Labeled..... **\$5**



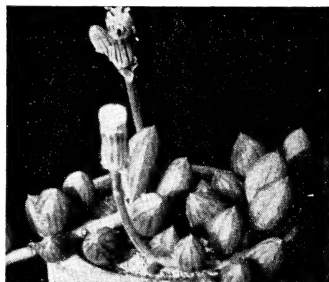
HOUSELEEK

Sempervivum calcaureum forms bluish-green rosettes, each leaf tipped with maroon. Ways of babies. Hardy. Culture P..... **40c**



BURRO TAIL

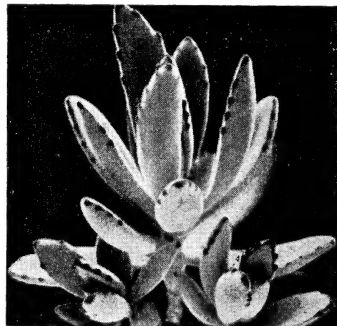
Continuing as one of the most popular succulents, Sedum morganianum is deservedly so. Long pendant chains of waxy pale green leaves often reaching 3 ft. or more in length. Mature plants occasionally bear rose colored flowers. May be grown in a wide variety of soils, but does best in sandy loam with 1/4 peatmoss. In establishing your plant give Culture M. Rotate the pot occasionally to make even growth. **40c**



GOOSEBERRY KLEINIA

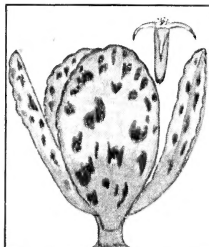
Translucent green bands running the length of each leaf make Kleinia herreianus most attractive. Of vining habit, it may be grown prostrate or in a hanging pot. White feather duster flowers. Easy culture. Culture P. Each..... **50c**

Kleinia fulgens. Very rare..... **\$1**
Kleinia articulata. "Candlestick"..... **50c**



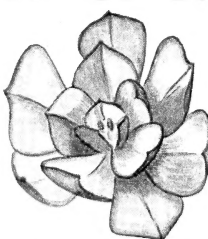
PANDA PLANT

The whole plant clothed in soft silvery-grey plush. Each leaf edged with deep chocolate brown. Branching freely, Kalanchoe tomentosa makes a handsome pot, or border plant in warm areas. Plenty of light for best coloring. Each..... **40c**



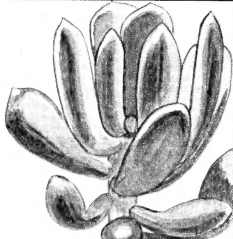
PENWIPER PLANT

Waxy, bluish-green leaves with maroon markings. Very attractive. Kalanchoe marmorata is easily grown. Culture S..... **45c**



ECHEVERIA KEWENSIS

A hybrid Echeveria of moderate size. Rosettes soft slate-blue, seldom more than 4" in diameter. Each leaf edged with red. Each..... **50c**



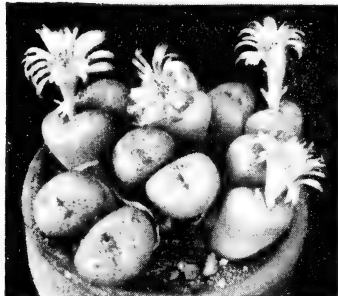
PACHYPHYTUM BLUE HAZE

Thick waxy pale blue leaves. During summer tall spikes of red bells are produced. Use a sandy loam for best coloring. Each..... **45c**

SUCCULENT ASSORTMENT

COLLECTION H7

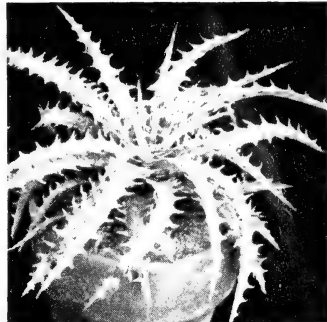
25 Choice succulents covering a wider and more varied range. Euphorbias, choice Haworthias, Stapelias, Mesembs, Crassulas, Lithops, Faucarias, Kalanchoes, etc. All plants that any collector would like. All plants labelled. A very good value..... **\$10**



CONOPHYTUM GOLDEN STARS

Clusters of fat greyish-green leaves with only a thin slit showing at the tips. In late summer bright golden flowers emerge from the slits. A mesemb, Conophytum aureum prefers a well drained soil such as sandy loam. Water most carefully during summer months. Culture SR. Each.....

60c



SILVER & GOLD DYCKIA

Long a collector's item we are now able to offer Dyckia fosteriana at a popular price. Handsome rosettes of grey-white produce tall spikes of bright orange flowers. Soon branching they slowly form tight cushions of many heads. Choice.....

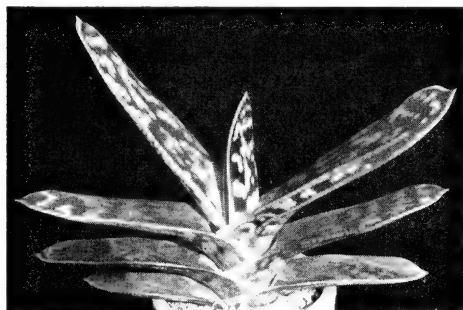
50c



MORGAN'S PINK CRASSULA

A Crassula hybrid with hard textured bluish-grey leaves. A head of scores of tiny flowers are produced to form a bright pink brush. A very choice plant preferring a cool, airy position. Culture P. Each.....

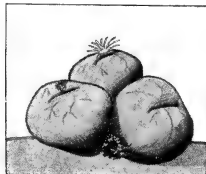
50c



CALICO OX TONGUE

Gasteria maculata has its leaves mottled olive green, white and pink. Most pretty! Sandy loam, some peatmoss. Culture P. Each.....

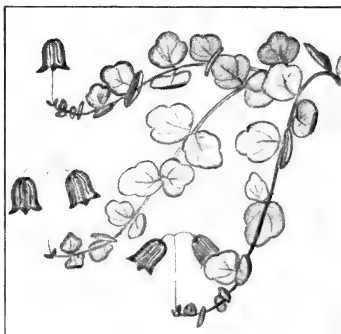
65c



CONOPHYTUM GIFTBERGENSIS

Plump leaves like clusters of green grapes. Sheds its skin each year like a lizard. Sandy loam. Culture SR. Each.....

50c



CORAL BELLS

A vining plant with yellowish-green leaves tinged with red in sufficient light. Roots at the joints as it creeps along. Perfect for a hanging pot or along a ledge. In summer it flowers with pale red bells. Kalanchoe uniflora prefers a loam with 1/4 peat add. 3 for \$1, Each.....

40c



NECKLACE VINE

Vines of leaves like beads on a string. Leaves reddish with enough light. Crassula perforata makes a graceful pot with its pendant stems. 2 for.....

40c

ODDS AND ENDS

Collection H8

We offer here an unlabelled collection of Cacti and Succulents at a very low rate. After each packing date there are many plants left over, rare as well as common varieties. (Mail Order only). We offer 10 of these plants at.....

\$1.85



MILK TREE

Three angled stems, green with white marbling. Leaves appear and soon drop off as plant grows. Euphorbia herbertiana branches very freely. Easy culture. Each.....

40c

STAR TRIO

COLLECTION H9

3 Choice Conophytum, C. aureum or Conophytum Golden Stars, C. braunsii or Pink Stars, and C. fenestratum or Silver Stars (dark olive green leaves and snow flowers). A rare, choice collection for a 4" pot

\$1.75

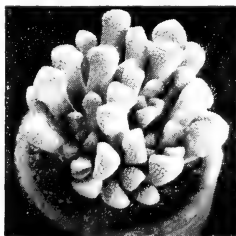
Special at.....



FLOWERING STONES

Smooth dove-grey leaves often suffused with soft pink. Dinteranthus inexpectatus is a choice clustering mesemb producing golden yellow flowers. Filtered light during summer's heat and well drained sandy loams suits it best. Water carefully during summer. Culture SR. Each.....

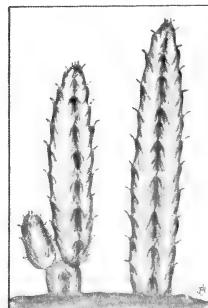
40c



WHITE JEWEL PLANT

Similar to Jewel Plant, but very pale green with white bosses at the leaf tips. Titanopsis schwartzii forms attractive clusters. Give partial shade. Culture SR. Each.....

45c



CANDY STICK

Senecio (Kleinia) stapeliiformis is a lovely marked plant with thick angled stems mottled with dark purple on a silvery ground. Give it a sandy soil and moderate watering. Pretty and rare. Each.....

60c

Kleinia repens. Bright blue leaves.....
Kleinia lineofolia. Slender dark green.....

50c
75c



HERMOSSISSIMUS

A continued favorite over many years, this lovely Orchid Cactus is still one of the brightest and best of all. A brilliant bicolor type with deep crimson outer petals the inner petals and throat a glowing electric violet each petal with a median stripe of orange. The branches are rather slender, the flower buds long, slim and pointed. A free bloomer of vigorous growth, generally flowering in April. It should have a light open soil. Each.....

\$1.25

CARE OF NEWLY TOTED

ORCHID CACTI

When you receive the plants the roots will be in a plastic bag which keeps them moist yet gives them air. When your potting soil is ready it should be barely moist so you can sift it among the roots. Use about a 3" or 4" pots for the first potting. Small pots are best at first as they allow for more air which encourages new root growth. Pot only moderately firmly, seeing that the compost is on the coarse side, not too fine. Water well, then place the plants in a well lighted window with ventilation. They like fresh air. A temperature of 60° is excellent, 10° lower or

higher is acceptable. Keep barely moist, not wet. In a month new roots should be established. Later they should be put in 5" or 6" pots to finish their summer growth. If you have a sun porch or greenhouse place the pots in a light position but protect at first from the mid-day sun to prevent scalding. Cacti do not wilt like ordinary plants but draw upon stored water reserves until roots are started.

LIST ACCORDING TO GENERAL COLOR

PINK AND LAVENDER

NEWER VARIETIES

- Antwerpia.** Giant salmon pink with ruffled petals. New\$2.50
Ballerina. Deep rose blossoms of Empress type. Inner petals pale pink.....\$1.50
Royal Robe. Huge blossoms, cherry purple and pink. Ruffled petals\$3

Carnation. Lovely carnation-pink, rose eye. Broad overlapping petals. Strong grower\$1.25

Royal Rose. Deep lilac with buff, rose overtones\$2

Dragonet. Coral blending to purple, throat crimson. Outer segments white stripe\$1.25

Melrose. Large buff-rose, base of petals lavender, outer petals tan90c

Marionette. Lilac pink darkening toward edges. Fine basket type.....\$1

Sea Breeze. Lovely brilliant pink. Inner petals cup-shaped outer erect, rose\$1.50

Nayada. Delicate lavender. Basket variety\$1



POLDI SVETNIC

Glistening white star-like blossoms the inner petals spreading. Petals numerous, slender. A charming free flowering plant. Use a rich but porous soil with some peat moss or leafmold to make it spongy. Keep moist but not wet. Partial sunlight. Each.....

90c

ORCHID CACTI

ORCHID CACTI or Epiphyllums bear the showiest blossoms of all cacti. Their culture is similar to other house plants such as geraniums. They like a well lighted window and a cool rather than hot atmosphere. The parents of these complex hybrids are native to the mountains of Mexico and Guatemala where it is cool most of the year. There is a long dry season often with considerable fog, or really clouds which in the tropics cling close to the mountain-sides. The rainy season may be quite wet but fairly short.

Orchid Cacti like a very open or porous compost to grow in. A close sticky or clay soil will hold water too long and the roots will suffocate. A good compost to start with is crumbly loam, leafmold, gritty sand and peatmoss in about equal proportions. Some would add a portion of well rotted cow manure. While they may be planted at almost any time they are most active in mid-spring. Water enough to keep them damp at all times. They do most of their growing in spring and early summer. In late summer and fall the stems are maturing and a little less water should be given. They flower during April, May and June always on last year's stems. During summer it is well to put them outside under a tree or on a partly shady porch as they will benefit from the fresh air and sunlight.

In California during the past few years considerable interest has been taken in the improvement of Orchid Cacti. Many new varieties have been produced some of outstanding merit. Our own productions have been mostly in new combinations with other genera. Thus several new types have been produced which have their own characteristic flowers and plant forms. Many have ribbed, round stems and are suitable for graded standards, hanging baskets or pots. They require the same culture as Epiphyllums but will grow with much more sunlight.

Adonis. Large pink blossoms with violet sheen, rosy lilac center. Good grower.....85c

Agatha. Warm pink, cherry red center, satiny sheen. Free bloomer, good grower.....85c

Argus. Handsome cup-shaped flower, salmon pink, red center. Late flowering85c

Bohemienne. 3-colored flower, outer petals salmon, inner pink and lilac85c

Jorge Siepke. Orchid pink blossoms color running in stripes toward center.....85c

Cynthia. Clear pink, cup-shaped with white throat outer reflexed. Good basket type.....85c

Joseph de Laet. Handsome! Outer petals scarlet, inner lilac, dark center strips.....\$1.25

Latona. Loosely petalled flower, orchid pink.....85c



CONWAY'S GIANT

A huge flower with broad crimson outer petals. Outer petals overlaid with crimson and violet. A lovely blossom. The plant is a vigorous grower and free bloomer. Each.....

90c

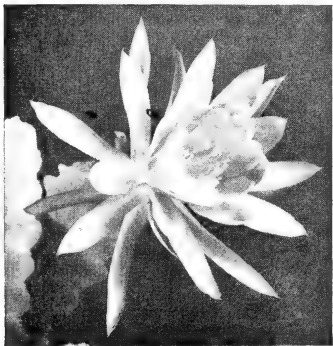


ANDRAE

A very choice hybrid between the easily flowered Easter Cactus *Rhipsalidopsis gaertneri* and the lovely Spring Beauty, *Rhipsalidopsis rosea*. Flowers up to 3" across and very freely produced in April. They like a spongy soil (Jungle Mix) as the parents are epiphytic. Partial shade, generous waterings in summer with feedings of liquid fertilizer. Small 1-3 leaf potted plants...\$1

PINK AND LAVENDER (cont.)

Pink Nymph. Lovely saucer shaped salmon pink flowers. Petals ruffled. Strong grower.....\$5c
Ramona. Salmon pink blossoms. The outer petals soft rose pink. Good grower.....\$1
Richard Diener. Huge rose pink. Inner petals apricot pink waved margins.....\$1



PADRE

Lovely warm pink blossoms. A reliable bloomer and a good one to start with. Plant vigorous and strong rooted. Besides the regular flowering period it may bloom at odd times through the year. Each.....\$85c



CHRISTMAS CACTUS

Grandmother's favorite. Beautiful Fuschia-like showers of dainty pink blossoms. Formerly *Zygocactus truncatus* now properly *Schlumbergera bridgesii*. Blooms from Christmas on. The flowering time is variable. Use a porous soil with leafmold and sand. Our Jungle Mix is excellent. Keep damp in a bright window shaded from the noon-day sun. Large \$1.25. Nice.....\$75c



GLORIA

A magnificent Orchid Cactus with gorgeous flame colored flowers up to 9 inches across. Its season of bloom is one of the longest, flowers sometimes appearing as late as August. Very easy to succeed with. An outstanding variety and much recommended. Each.....\$90c

ORCHID CACTI

MONEY SAVING COLLECTIONS JUBILEE ASSORTMENT

COLLECTION H12

7 named Orchid Cacti in a fine range of color and varieties. White, red, crimson, pink, lavender. All are standard vigorous growers. A rainbow in your window. Pot first in 3" or 4" pots until well established then shift to 5" or larger. The set.....\$5

RAINBOW ASSORTMENT

COLLECTION H14

3 fine Orchid Cacti in red, white and pink. These are all nice named varieties and should make fine plants. Pot them in 3" to 4" pots and shift to 5" pots when established. All labelled.....\$2

SPECIAL ASSORTMENT

Collection H15

25 named Orchid cacti at money saving prices. Full color range of standard and choice varieties. Our selection.....\$19.50

SUPREME ASSORTMENT

Collection H20

50 grand and glorious Orchid Cacti. Our finest collection. Our selection.....\$38.50

PINK AND LAVENDER (cont.)

Rosetta. Deep red pink shaped like a rose bud. Excellent basket type.....\$1
Welcome. Fragrant rose pink blossoms suffused pale lilac, darker lavender eye.....\$5c
Schoherazade. Pink blossoms deepening to lilac. Fine free bloomer.....\$5c

ORANGE TO AMBER

Bliss. Bright orange. Large flower with rounded petals. Strong grower.....\$90c
Brown Bear. Lovely cup-shaped flower bronzy orange. Vigorous plant.....\$1
Dr. von Roeder. Large orange flowers with buff overlay. Handsome.....\$5c

ORANGE TO AMBER (cont.)

Flamingo. Brilliant amber orange with pink overlay. Center violet. Splendid.....\$5c
Stern von Erlau. Amber within, outer petals red. Lustrous.....\$1
Ernest Seyderhelm. Large coppery orange shading to red and violet.....\$1
Montezuma. Fine orange flower with violet.....\$1.50
Scintilla. Dark amber center stripe with coppery edge.....\$1.25
Fiesta. Fine reddish orange.....\$5c
La Campana. Large deep orange flowers. Sepals and petals rounded to slight spoon.....\$1.25

PROFESSOR EBERT

A very lovely free blooming variety with flowers of bright violet carmine. A good sturdy plant to flower. Attractive upright growth bearing its flowers boldly. Each.....\$95c





APOROPHYLLUM LAWRENCE

Soft salmon pink blossoms borne in abundance on graceful pendent stems. Even the buds are attractive. A glorious cascade of pink when in flower. A fine hybrid between Aporocactus flag-riformis and Valencia. Plant in spongy porous loam. Give partial shade, water generously during summer. An occasional light application of fertilizer will aid flowering..... **\$1**

ORANGE TO AMBER (cont.)

Hauffii. Buff orange. New..... **\$1.50**
Sunburst. Large flower burnt orange within, vivid violet throat. Good grower..... **\$1**
Sun Goddess. Huge 10" flower, brilliant burnt orange with golden sheen. Lovely..... **\$1**

RED TO RED VIOLET

Northern lights. Lavender deepening towards ends of petals tipped with rose. New..... **\$2**
Southern Beauty. Large red violet. New..... **\$2.50**
Sherfy's Glory. Long pointed petals and sepals, fuchsia purple with red..... **\$3**
Thunder Cloud. Large deep red, inner petals edged violet. Choice new variety..... **\$2.50**
Amber Queen. Large to 10", brilliant orange red inner petals shading to yellow at base. Flower has amber glow..... **90c**
Camillo Schneider. Large bright red flower petals bordered with lavender..... **90c**
Champion. Large deep red blossoms edged with violet. Strong grower..... **90c**
Dante. Large 9" orange red blossom inner petals suffused delicate violet tones..... **85c**
Glories. Fragrant cup shaped flowers deep red with violet overtones..... **90c**
Oberst Kunrich. Inner petals deep violet outer petals shading to copper..... **90c**
Scarlet Giant. Very large orange scarlet, throat violet red. Good grower..... **90c**
Viviana. Handsome deep red-purple opening widely. Good basket variety..... **90c**
Hans Rehn. Lovely claret red 8" blossoms. Petals bordered violet..... **85c**
Franz Lehor. Crimson outer petals, inner petals rose red. Good grower..... **\$1**
Leobneri. Inner petals red suffused with lavender, outer red violet..... **\$1.25**
Orion. Large red scarlet blossom with bright violet throat. Fine..... **\$1.50**

PSEUDORHIPHALIS MACRANTHA

One of the handsomest basket plants we know of. Epiphyllum-like in habit with pendant "leaves" bearing charming narrow petalled flowers of cream and gold with a delicious fruity fragrance. The flowers are 1 1/2" across borne in profusion along the "leaf" margins. Culture..... **\$1**
 as for Orchid Cacti



WHITE and YELLOW

Bridal Veil. Giant pure white. Broad crimped petals. Soft texture. New..... **\$2.50**
Regina del Chiaro. Large white with lemon yellow pointed petals. Inner petals wide opening with crimped tips. Choice. New..... **\$2.50**
Thalia. Fragrant white. New..... **\$2.50**
Ben's Laura. Many petalled semi-double flower. Petals chiffon-like, pearly clear to throat, opening very flat. Late bloomer..... **\$2.50**
Marina Special. Large flower each petal heavily feathered with clear yellow on white ground. Beautiful Vigorous plant..... **\$1.50**
Polar Bear. Handsome large white petals tipped with yellow. Outer petals recurved, lemon yellow. Good grower..... **\$1.50**
Easter Morn. Fragrant. Inner petals, white, outer flaring yellow and gold..... **\$1**
Eden. Fragrant. Very large pure white. Outer sepals rich yellow. Handsome..... **85c**
Londonii. Creamy white petals within. Outer deepening to yellow. Lovely..... **90c**
Moonsire. Lovely fragrant large white blossoms with saffron yellow outer petals. Vigorous, free flowering. Excellent..... **85c**
Mt. Hood. Fragrant large pure white within outer petals yellow..... **85c**
Oriole. Charming white and gold 7" blossom. Plant vigorous, free flowering..... **85c**

BRILLIANT TRICOLOR BLOSSOMS

Canadian Ruffles. Blue violet flower delicately ruffled. New..... **\$2.50**
Orchid Supreme. Orchid pink, inner petals shading to lilac outer petals. New..... **\$2.50**
Rainbow. Red violet inner petals, lilac outer petals..... **\$2.50**
Pride of Bell. Brilliant blossom. Inner petals orchid pink with light burgundy center. Outer petals orchid deepening to deep burgundy. Sepals rose orchid. Satiny texture, opening flat..... **\$2.50**
Sherman E. Beahm. Giant flower predominantly purple-red. Full wavy edged petals with violet center stripe toning to orchid margin..... **\$1.50**
Dr. Werderman. Lovely bright blossoms of rich orchid color petals with darker center stripe and almost white margin..... **\$2.50**
Pegasus. Outstanding large flower. Petals broad with red center stripe surrounded by purple with lavender margins. Silky texture..... **\$1.50**
Ceka. Beautiful large violet flower. Petals deep violet with lavender margins outer petals carmine. Handsome..... **\$1.50**
Anton Gunther. Blue-violet flower. Petals red-violet to lilac with white edge. Back petals red-violet..... **\$1.25**
August von Szombathy. Inner petals with delicate violet stripe shading to pink, outer petals deep violet. Excellent for corsages..... **\$1.25**
Friederick Werner Beul. Fragrant 10" blossoms petals with orange center stripe shading into violet and pale lavender with white edges..... **90c**
Paula Knebel. Large flower outer petals crimson, inner petals violet shading to lavender at edge with orange center stripe..... **\$1**

RED VIOLET TO MAROON

Blackmoor. An outstanding deep red-purple flower the deepest colored of the Orchid Cacti. Inner petals deep purple, outer petals darkening to an almost red black. Fine form and texture..... **\$2.50**
Chauncey. Dark red-purple. Large flower, excellent quality. Vigorous plant. Fine..... **\$2.50**
Bambi. One of the most vivid blossoms imaginable. Brilliant fuchsia-red petals shading into bright carmine. Larger than Kaiserin. A truly lovely plant..... **\$2.50**
Thoriene. Flower of unusually wide funnel-form shape. Petals dark red shading to violet along the margins. Fine..... **\$1.25**
Alta Scott. Brilliant blossom. Petals deep red, margined purple to lilac..... **\$1.25**
Mrs. Grant. Flowers predominantly purple with red outer petals..... **85c**
Mons. Jolibois. Red petals shading to orange at center. Throat violet..... **85c**
Germania. Predominantly purple with maroon outer petals. Throat darker..... **\$1**
Belgian Pfau. Outer petals deep orange, inner petals dark violet, edges white. Fragrant..... **\$1.75**
Carnival. Large red violet. New..... **\$2.50**
Luavi. Salmon red with lavender tinge. Basket type. New..... **\$1.25**
Stern von Erlau. Lustrous orange red flower, petals bordered with purple..... **\$1**



SNOWDROP CACTUS

A great favorite. Rhipsalis haullianae has gracefully arching branches set with pretty white bells in spring. Likes a shady but light position, porous soil and generous waterings in summer. Culture as Orchid Cacti..... **50c**

CHRISTMAS CACTI

ZYGOCACTUS

Christmas Cacti or Crabs Claw are well known old favorites but few people realize their several color variations and types of stems. All require the same care similar to Orchid Cacti. Light porous soil. Jungle Mix is recommended.

WHITE CHRISTMAS CACTUS. Z. delicatus. Flowers larger than Xmas Cactus pure white sometimes faintly flushed pink. Extremely free bloomer. A beautiful and very distinct plant. Flowers in November and December. Small 1-3 leaved plants..... **\$2.50**

JOHNSON'S VIVID. Intense scarlet-red very different from Electra. A lovely variety flowering in November and December. "Leaves" strongly toothed up to 8 at each node. Small plants..... **\$1.50**

SALMONEUS. Thanksgiving Cactus. Salmon-red or scarlet flowers in November to December. Small plants..... **\$1.25**

AMELIA MANDA. Large pale crimson blossoms, petals pink at base. Small plants..... **\$1.25**

BAHAI. Late bloomer. "Leaves" short, plants compact. Free flowering. Flowers pale crimson. Small..... **\$1.00**

W. A. MANDA. Leaves very wide, large. Growth open. Plant vigorous. Flowers pale crimson in February. Small plants..... **\$1.25**

PARNA. Flowers pale crimson to deep pink, paler pink throat. Leaves long, growth open. Vigorous plant. Small..... **\$1**

SOUTH ORANGE. Crimson flower. New introduction..... **\$1**

PETER PAN. A delightful miniature. Rhipsalidopsis hybrid. Small bright red-violet flowers. Free flowering. Small..... **\$1**

MISTLETOE CACTUS

A pretty, compactly branched plant, Rhipsalis mesembryanthemoides has small white blossoms followed by mistletoe-like white berries. The short joints have slightly woolly areoles. Likes shade and should be kept moist..... **50c**





TEMPLE FIRE

A large flowered variety with fiery red blossoms. A superb new hybrid for the fancier. As a member of our Aporophyllum series, it possesses all their good qualities being very free flowering and easily grown. **\$1.50**

EASTER CACTUS

Rhipsalidopsis gaertneri flowers at Eastertime. The blossoms are 1 1/2"-2" in diameter brilliant red in color. When well grown they can be unbelievably prolific in blooming carrying hundreds of blossoms an ethereal spectacle. The plants look and requirements are similar to the old Xmas Cactus. **\$1**

DISAPORA

Distinct and charming basket or hanging plants. The blossoms are bright carmine red 1 1/2"-2" long, slender; outer perianth recurved, inner open. Most unusual and very lovely for upper brackets in a window. The slender ribbed stems may reach 2'-3' in length. Give them the same treatment as for Epiphyllum or Xmas Cacti. **\$1.50**

CHIAPORA

Handsome plants with the habit and appearance of Epiphyllum and thriving with the same care. The flowers are somewhat like Chiapasia but bright rhodamine purple in color. They are very free flowering the blossoms 2"-3" in diameter outer perianth recurved inner cup-shaped. Flowers borne in March and April. Vigorous habit. Each. **\$1**

HATIORA

The Hatioras are related to the Rhipsalis but bear their orange colored flowers at the stem tips. They grow easily and make fine specimens with the same care as Epiphyllums liking plenty of moisture.

Hatiora bambusoides grows upright bearing a great many of its bright flowers in March. **75c**

Hatiora salicornioides. An airy form with hair-like stem bases **\$1**

WERCKLEOCEREUS IMITANS

Our first offering of this rare plant. Epiphyllum-like, having broad flattened stems with deeply notched margins. Very distinct. **\$1.25**



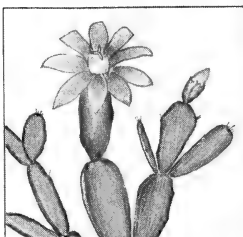
DISOPHYLLUM

We are proud to introduce an exquisite new hybrid (Epiphyllum x Disocactus) with tubular jewel-like flowers of vivid violet red. Pendant stems to 3'. Care as for Orchid Cacti. **\$1.50**



RHIPHALIS CRISPATA

A lovely basket or pot plant with pale green leaves. It grows quickly, bearing creamy flowers. Upright, but as the branches lengthen becomes pendulous. Shield from midday sun. **50c**



SPRING BEAUTY

This charming small plant, Rhipsalidopsis rosea, is stunning when in full bloom. The blossoms are rose colored and borne in profusion at the tips of the flat branches. Cool, moist treatment. **75c**

APOROPHYLLUM

A very lovely group of Orchid Cacti hybrids which prolong the flowering season. They have round instead of flat stems and may be trained upright or planted in baskets. See illustration on opposite page. Culture as for Orchid Cacti.

LAWRENCE. See photo p. 14.

ODALISQUE. A hybrid between the beautiful rosy Rosetta and Aporocactus flagiformis. **\$1**

PINK BEAUTY. A lovely rose pink variety and a free bloomer. **\$1.50**

TEMPLE FIRE. See photo above.

TEMPLE DUSK. Large flowered variety with long tube with stems up to 6' long. Flowers of an odd and pleasing color buff pink. **\$1.50**

SUN CEREUS HYBRIDS

These brilliant hybrids, Aporoheliocereus, are the result of using the gorgeous Heliocereus speciosus the basic parent of oil red and violet Orchid Cacti and Aporocactus flagiformis the Golden Pink Rattail Cactus. The flowers are large and very bright red and violet. Culture same as Orchid Cacti.

HAZEL HYBRIDS. Vigorous growing with round, ribbed stems and brilliant large blossoms with short tubes and spreading petals. **\$1.25**

ERYTHRORHIPHALIS

A small epiphytic cactus, E. pilocarpa, is related to Rhipsalis. The slender branches are many jointed the areoles with long white hairs. The flowers are borne at the tips, white tinged pink. Each **\$1**

CHIAPASIA NELSONII

Bright violet pink blossoms 2 1/2" long borne abundantly in spring. Orchid Cactus culture. **85c**

Send 10c for complete listing of Orchid Cacti (126 varieties), Rhipsalis 37, Epiphyllum species 12, and all our available rare epiphytic genera plus all catalogued shade cacti listings.

ACANTHORHIPHALIS

A genus of Andean cacti near Rhipsalis but bearing spines. A. monacantha is from Argentina. Each **75c**

EPHYLLUM CHRYSOCARDIUM

"Leaves" up to 6" broad deeply indented. Flowers white, yellow throat. Rare. **\$2.50**

CRYPTOCEREUS ANTHONYANUS

An extremely rare Epiphyllum like cactus with deeply notched "leaves". **\$2.50**

LEPISIUM CRUCIFORME

Three-winged stems indented along the margins with long white hairs at the areoles. Attractive. **\$1**

WEBEROCEREUS TRICHOTUS

A slender climber with long tufts of hair at each spine areole. Small dainty flowers with a pink flush appear during summer. A rare species for collectors. Use a light well drained loam, water plentifully during summer. **75c**

Give partial shade. **75c**



TEMPLE GLOW

Once seen in flower you will be enchanted with it. The plants are smothered with graceful flowers which are pink within, the outer recurving petals orange. The stems are pendulous and may reach 3' in length. Protect from noontime sun, use porous compost, give moderate to generous waterings. **\$1**

EPIPHYLLANTHUS OBOVATUS

A charming Christmas Cactus-like plant from Brazil. The plant looks like a tiny pupuntia but the flowers would be mistaken for Christmas Cactus. Treat as for Orchid Cacti. **\$1**

RATTAIL CACTUS APOCROACTUS

These are old favorites that always give a good account of themselves. Mexican plants each quite different from the other. Culture as for Orchid Cacti though they bloom more profusely with more sunlight.

APOCROACTUS CONZATTII. A stout, vigorous plant with large, deep scarlet red blossoms. It is larger in all its parts than the common Rattail Cactus. It enjoys a sunny location and a rich, porous soil. A handsome plant, easily grown. Large **\$1.50**

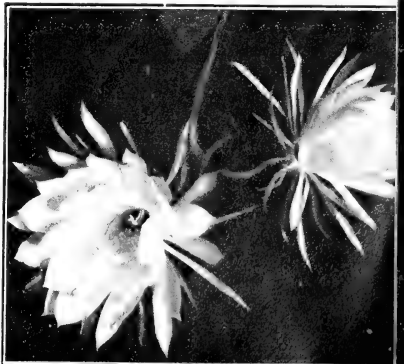
RHIPHALIS

A large group of epiphytic jungle cacti. They are very diverse in appearance. Culture as for Orchid Cacti.

Rhipsalis bolivianus 75c, capilliformis 75c, castanea 75c, cereuscula 75c, clavata 75c, crispata 50c, crispimarginata \$1, dissimilis 75c, elliptica 75c, fasciculata 75c, grandiflora 75c, heteroclada 75c, leucorhaphis \$1, lindbergiana 75c, lumbricoides \$1, micrantha 75c, nevis armandi 75c, oblonga 75c, pachyptera \$1, paradoxa 75c, pendula 75c, pentaptera 75c, platycarpa \$1, pulvinigera 75c, puniceo-discus 75c, quallebambensis 75c, ramulosa 75c, shafteri 75c, teres 75c, tenduilli \$1, trigona 75c, tucumanensis \$1, virgata 75c, warmingiana 75c, wercklei \$1.

QUEEN CACTUS

An old time favorite house plant of easy culture. Blossoms in the summer time with snowy white blossoms which are as fragrant as a dish of tropical fruit. The long tubes of the flowers bend gracefully upwards to display its chaste heart. Epiphyllum oxypetalum will bloom freely in a 4" pot the green rippled leaves being quite attractive. New branches are pencil-shaped. Nice plants. **\$1.50**





OPUNTIA

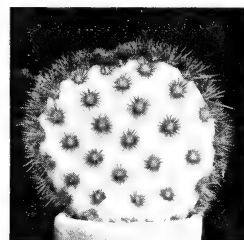
THE Opuntias form one of the largest groups of Cacti, over 300 species. Native from Canada south to Patagonia. They are the only cacti which bear glochids. A great many have large and colorful flowers. Some are very dwarf, many become stout trunked trees. The fruits of many are used as food and to make fermented drinks. Young pads are used as a vegetable. Sandy soil very moderate watering, full sun.

- Opuntia tomentosa.** Becomes a tall almost spineless tree bearing dark orange-red flowers and red fruits. 4" to 6" pads\$1
- Opuntia moelleri.** Creeping species with round joints, white spines and yellow flowers. Dwarf.....50c
- Opuntia bulbispina.** A dwarf species forming upright, branched plants60c
- Opuntia verschaffeltii.** Almost spineless, dwarf, round stemmed species from 14,000' in the Andes.....50c
- Opuntia vestita.** Old Man Opuntia. Long white wool. Round stems with many real leaves on young stems. Brilliant ruby-red flowers. Dwarf.....60c
- Opuntia teres.** Dwarf round stems. Crimson flowers. Charming variety from the Andes.....50c
- Opuntia vilis.** Dwarf Tree Opuntia. Small round stemmed species. Yellow flowers50c
- Opuntia paediophylla.** Rare new Argentine species with very long paper spines up to 4" or more. Rare items for collectors\$1.50
- Opuntia fragilis.** Hardy species from Northern states and Canada. 3 distinct varieties. Each.....50c
- Opuntia polyacantha.** Hardy species from northern states and Canada50c
- Opuntia glomerata.** Paper Spine Opuntia. Papery white spines. Globular stems40c
- Opuntia pentlandii.** High Andean species. Globular stems forming clusters50c

BEAVER TAIL

When in bloom the loveliest of all California cacti. *Opuntia basilaris* likes a sandy soil, full sun and moderate watering. Each.....**50c**

- Opuntia ipatania.** Small, round stemmed, flowers pink followed by large brilliant red fruits. Each40c
- O. leptocaulis.** Small tree-like plants, 1½" long yellow spines. Scarlet fruit.....40c
- O. pycnantha.** Reddish spines, pads 2"-4" long. Pretty Baja California species.....75c
- O. bergeriana.** Large species with big orange red flowers freely borne. Quick growing60c

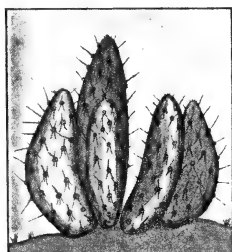
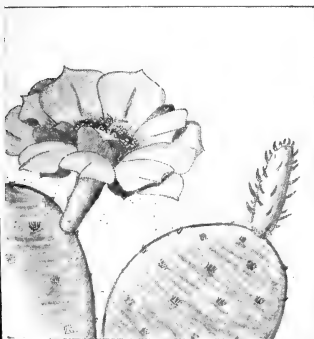


OPUNTIA ACICULARIS

Handsome chestnut red glochids. Old pads grow more beautiful yearly with added glochids. Be careful, handle only with vegetable tongs!.....**\$1**

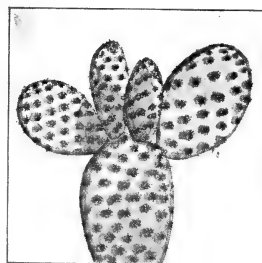
GOLDEN TUNA

Opuntia grandiflora flowers easily and freely. Flowers very large golden yellow. Full sun. Quick growing.....**75c**



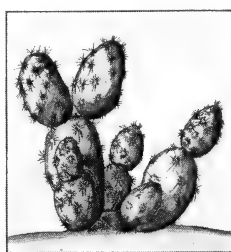
DOMINOES

Opuntia erectoclada is a dwarf Argentine species with ruby-red blossoms and brown spines. Sandy soil sunny location. Each.....**40c**



CINNAMON CACTUS

Cinnamon brown glochids, deep green pads. *Opuntia rufida* is easily grown and popular for window gardens. Sandy soil full sun.....**40c**



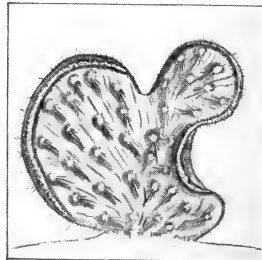
THIMBLE TUNA

A pretty dwarf species *Tephrocactus sphaericus* has ruby-red blossoms and ovoid branches. Andean species. Sandy soil, full sun.....**40c**



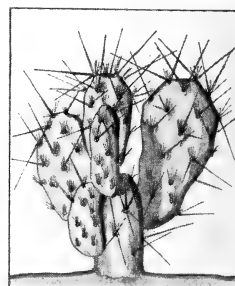
LEMON VINE

Though a true cactus few would suspect it. *Pereskia pereskia* has large leaved and waxy, lemon scented, creamy blossoms. If leaves drop they will reappear. Each.....**50c**



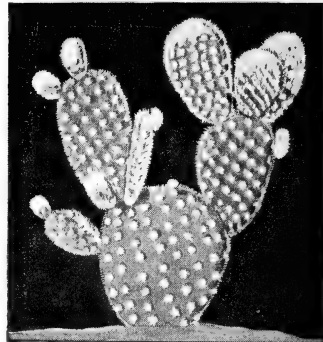
CRESTED OPUNTIA

Crested or cristate forms are among the most interesting of all with their odd convoluted stems. *Opuntia serpentina cristata*. Nice small crests.....**75c**



FAIRY NEEDLES

Opuntia seehrensii. Peru. Dwarf. Sunny situation.....**40c**



ANGEL WINGS

A dainty little plant the areoles filled with snowy wool. Completely spineless the glochids are harmless. It branches freely and remains dwarf the pure white glochids showing brightly against the dark green pads. Light or sunny position. *Opuntia microdasys alba*.....**40c**

OPUNTIA ASSORTMENT

Collection H10

5 Pretty dwarf Opuntias for the window garden including such plants as Angel Wings, Thimble Tuna, Bunny Ears etc. Unlabelled.....**\$1.50**

WINTER HARDY PRICKLY PEARS

Collection H11

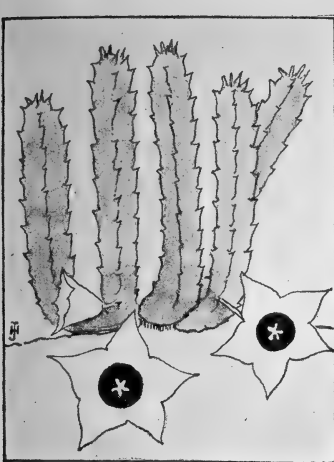
6 Hardy Opuntias from Canada, Wyoming, Wisconsin, New York, Texas, and Colorado. Small species for Rock Gardens. Labelled.....**\$2.50**

QUIABENTIA

QUIABENTIA CHACOENSIS. Tall branched round spiny stems with thick leaves. Flowers scarlet....\$1

PTEROCACTUS FISCHERI

Rare small round stemmed Argentine cactus....\$1



RED DRAGON FLOWER

The pretty *Huemia schneideriana* bears delicately beautiful flowers with velvet red petals and black center. Flowers all summer. Moderate waterings.
Nice plants.....

40c

MIXED CEREUS SEED

A mixture of various types containing *Leimacocereus*, *Trichocereus*, *Cleistocactus*, *Cereus*, *Carnegeia*, *Eriocereus*, *Pachycereus*, *Cephalocereus* etc. Seed germinates in 7 to 21 days. Best germinating temperatures 70° to 75°.
Per packet.....

75c

PARAMOUNT HYBRIDS MIXED

This seed has been carefully collected from 100 of my better Easter Lily Cactus hybrids. They are the result of crosses between *Echinopsis* and *Lobivia* bringing together the lovely colors of *Lobivia* with much larger, graceful flowers of *Echinopsis*. This has created a whole range of new colors not found in either *Lobivia* or *Echinopsis*. Shrimp pink, salmon pink, smoky rose, orange, red are all to be found. A good proportion of the plants should be well colored; all will have large lovely flowers. 50 seeds.....

50c

MIXED PINCUSHION SEED

Mammillarias are one of our specialties and this mixture contains a very pretty and representative group. They germinate readily and can be flowered in two years. You will enjoy them. Per Packet.....

35c

MIXED LIVING ROCK SEED

There are many kinds of Living Rocks and we have one of the finest collections in this country. All seeds offered are grown by us. *Pleiospilios*, *Lithops*, *Lapidaria* and many others are included in this selection. Some seeds are very tiny. Per Packet.....

50c

The NEW SAND CULTURE for CACTI

Hydroponics is the scientific name for growing plants in culture solutions. The new science is rapidly proving its worth and for the cactus enthusiast has special points of interest. One may grow his plants in clean porous sand, thus greatly reducing the danger of overwatering. This is of particular interest to collectors who live in damp, foggy or rainy places. Many choice or difficult plants thrive under this treatment, for cactus roots when well fed enjoy spreading in the air filled sand.

VITAMIN B-1

JOHNSON'S OWN B₁ TABLETS
For Use in Any Soil

Works miracles on Cacti and Succulents, often bringing refractory plants into bloom. Don't fail to use this wonder working solution. Better Homes and Gardens tests on cacti report wonderful success attained in flowering slow plants. Particularly valuable to stimulate new root growth after transplanting. 75 Double Strength Tablets with Full instructions.....

75c

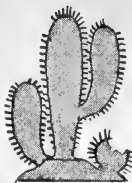
JOHNSON'S SAND CULTURE KIT

COLLECTION H 23

Complete instructions on growing Cacti and Succulents in sand with nutrient solutions. Simplifies watering. Makes the most difficult desert plants of easy culture. Particularly useful where winters are long and damp.

Full instructions, 16-gallon package Plant Chem.
75 Johnson's B₁ Tablets. 50c package Cactus Food.....

\$1.35



DE LUXE MIXTURE

A superb mixture made up of over 75 species. There is no weedy cacti included. They are collected from our own plants many requiring hand pollination. Our cactus seed is not to be compared with other offered assortments for it is not made up of native weedy kinds. The very small seed contains some of the prettiest kinds as *Parodia*, *Rebutia*, *Notocactus*, etc. Put in two packets of fine and coarse seeds.
The collection.....

\$1.00

MIXED CHIN CACTI

The *Gymnocylindrus* are charming, bright flowered globular cacti from South America. Easily grown, many flower over the entire spring and summer. Almost all flower the second year. Per packet.....

50c

STONE FACES MIXED

The Stone Faces or Lithops are the prizes of any collection. These handsome and entirely novel plants prove of interest to everyone. The seed germinates very quickly and easily. You will have seedlings within two weeks. After they are germinated put them in any airy, light window. About 100 seeds.....

40c

NOTOCACTUS MIXED

Notocacti are all colorful spined plants with large blossoms. None are too large for the small window garden and all have stood 20° without cold damage. They are a diverse group, easily grown. Mixture contains Golden Ball, Silver Ball, Lemon Ball, Sun Cups, Indian Head over a dozen species. Package.....

50c

CHOICE SUCCULENTS

A mixture containing many rare and interesting species of *Mesembrianthemum*, *Aloes*, *Anacampseros*, *Chenopodium*, *Cotyledons*, *Crasulaceae*, etc. Seeds very greatly in size. The tiniest dust-like ones are often the choicest ones.
Sow with care.....

50c

MINIATURE CACTI SEED

A choice mixture of the finest top cacti, including rare *Parodias*, *Notocacti*, *Gymnocylindrus*, *Mammillarias*, *Echinopsis*, etc. Fifteen or more of the prettiest small growing types. Full instructions for planting.
Per packet.....

50c

ACID PLANT-CHEM

Plant-Chem Acid Food. For acid loving plants. Good for Xmas Cacti, Epiphyllums, etc., where water is alkaline. 100 gallon package
\$1.20. 40 gallon package.....

60c

CACTI and SUCCULENT SEEDS

Cacti and many Succulents are readily grown from seeds. Some fast growing species make attractive small specimens within a year but most are slower in attaining size. Seeds germinate quickly depending upon temperature. Many will be up in two weeks at 60° to 70°. Keep seeds wet until well sprouted. Full planting instructions with each package. We recommend our Jungle Mix for seed planting. Purchases of 50c or more of seed will be sent without packing or postage charge.

CACTUS and SUCCULENT

SOCIETY OF AMERICA



The Cactus and Succulent Society was organized more than 27 years ago to bring together those interested in these extraordinary plants and to publish a magazine which would provide a forum for the exchange of information and for the publishing of new species and scientific data.

The Journal, under the competent editorship of Scott Haselton, has well achieved these aims, and today is the world's foremost publication about these plants.

Everyone is invited to join the Society and to receive this splendidly illustrated magazine. It has many articles on new plants, stories on exploration trips to new localities, articles on culture, news of affiliated Cactus Clubs in every region of the U. S. Everyone interested in Cacti and Succulents will continue to find this a most interesting magazine.

Membership and Journal—

\$4.00

Six double issues a year.....

Europe, Africa and Asia.....

\$4.00

CACTUS SUPPLIES

JOHNSON'S CACTUS COMPOST

Mix With Your Own Sand and Soil

An economical compost for Cacti and Succulents which when mixed with equal or larger quantities of both sand and light loam makes a very suitable soil for all desert plants. Composed of our reclaimed sclerophyllous leafmold, lime, gypsum in the proper proportions for all potted cacti. A light and bulky mixture, the same as we use in our potting soils for both seedling and specimen plants.

384 cu. inches.....

\$1.95

(May be ordered separately postpaid)

115 cu. inches enough for 6-10 quarts of potting soil.....

75c

HARDWOOD CACTUS CHARCOAL

Useful in keeping cactus soils sweet and aerated. Helpful in heavy soil.

Per Quart, Granulated.....

60c

ODDS and Ends

COLLECTION H 8

We offer here an unlabelled assortment of Cacti and Succulents at a very low rate. After each packing and shipping day there are many plants left over, rare as well as common varieties. We offer these at

\$1.85

CACTUS INSECTICIDES

ROTEX SPRAY. A safe spray for all Succulents and Cacti. Non-toxic to animals or humans. Rotenone, Pyrethrum and Pine Oil are the essential killing agents. For Mealy Bug, Cactus Aphid, Caterpillars, etc. Chart describing Cactus and Succulent pests with instructions for use, Rotex 2-ounce bottle.....

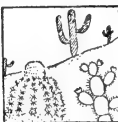
75c

VOLCK SPRAY. An insect spray for Scale and Mealy Bugs. These insects have a waxy covering which repels water but is easily penetrated by oil emulsions. We have used Volck for years and find it safe and reliable. 4-ounce bottle with insect pest chart and full directions.....

75c

SUPPLIES for CACTI

ERY few things are needed by the beginner in cactus culture but interest and a desire to form a collection. Loam for potting your plants may be found in field or woodland. Scrape off the litter and use the top 6" of soil. Sandy soils are best. Clean



can may be purchased from builders or pet stores. For the city dweller and more serious collector we are offering a few things that may make their culture easier. The supplies we offer are those we ourselves use.

JOHNSON'S JUNGLE MIX

A new type of cactus compost for epiphytic cacti which prefer a very open, porous type. Plants develop a vigorous, extensive root system seldom seen in other composts. Expressly for Xmas Cactus, Easter Cactus, Rhipsalis, Chiapas, Selenicereus and all epiphytes. It is also unexcelled for rooting all cacti and succulent cuttings. It may be easily modified into the finest potting soils you ever used for Philodendrons, Begonias, African Violets and all tropical house plants. It should be kept much more moist than old style composts as it dries rapidly. Full instructions for use or modification.

Per bag 120 cubic inches (with orders).....75c
6 quart box. Postage free.....\$2.00

West of Mississippi River \$1.75

JOHNSON'S CACTUS FOOD

A very effective fertilizer with a good organic base the ingredients of which are blended and proportioned to help your plants make normal, matured flowering growth. It should be scattered over the soil, a level teaspoonful to a 4-inch pot, two or three times during the growing season after the plants are well established. Use only during the growing season. Light applications once a month are more effective than heavy applications.

12 ounce bag 50c
2 pound bag \$1.00

OUR SPECIAL CACTUS LEAFMOLD

A reclaimed, sclerophyllous desert leafmold, sifted, light and dry. Mixed with equal parts of both sand and loam, it makes a fine, economical cactus soil.

115 cu. inches enough to make 75c
6-10 qts. potting soil.....

CACTUS HELPS

COLLECTION \$ 100

Items to make the growing of your plants easier and more enjoyable. Included here are all the things to root and grow your plants except loam and sand. Sand may be purchased from poultry houses or builders. Loam from garden or hillside.

Book, "Cacti and Succulents and How to Grow Them."

75c package Johnson's Jungle Mix.

Johnson's Cactus Food.

Johnson's Cactus Soil Conditioner.

Quart of Cactus Hardwood Charcoal.

20 double strength B₁ tablets.

50 Plant Labels.

7 Items to Make Cactus Growing \$3.00
Easy. Postpaid

PLASTIC LABELS

Permanent labels for plants poses a very difficult problem for the collector. Wooden labels while quite satisfactory do not of course last indefinitely. These plastic labels last for many years and outside of copper or zinc labels, which are difficult to affix to the plant, are the best solution I have found to date. Lead pencil writing lasts very well indoors or in the greenhouse. Outdoors it eventually weathers off. Grease pencils are useless. Water proof India drawing ink has proven the best medium for permanent labeling.

3 1/2" x 1/2". Plastic pot labels. Per 100.....\$1.25
4 1/2" x 3/4". Large, shaped labels for outdoors or pots. Per 100.....\$1.75

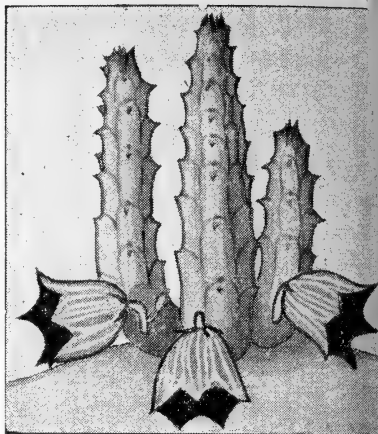
JOHNSON'S CACTUS SOIL CONDITIONER

Of great assistance in keeping cacti in good health, it is designed to add the minerals ordinary garden soils often lack. Desert soils are often high in mineral content, for there is little rain to leach them away. A spoonful of my Conditioner placed about a cactus plant and stirred lightly into the soil will often bring an ailing one back to health. Mix it with your potting soils.

Small Size, 10 ounces..... 50c
Large size, 26 ounces.....\$1.00

CATALOG INDEX

A	Page	K	Page
Acanthocalycium	24	Kalanchoe	2-3-4-5-7-9-10-1
Acanthocereus	32	Kleinia	7-10
Acanthorhipsalis	15	L	
Acanthostachys	3	Lepidaria	7
Agave	2-4	Lemalacocereus	33-5
Aloe	3-9-36	Lepismium	15
Anacampseros	6-8	Leuchtenbergia	29
Aporocactus	15	Lithops	5-9
Aporophellocereus	15	Lobelia	26-8-30
Aporophyllum	14-15	Lophocereus	34
Arnica	24-6-7-30	Loxanthocereus	34
Armatocereus	32	M	
Arthrocareus	32	Mamillacarpus	26
Astrophytum	9-24-5-7-8-30	Mamillaria 4-9-21-2-3	
Aztekium	24	Mastocactus	31
B		Mediocactus	35
Beschorneria	3	Melocactus	31
Borja	34	Monvillea	34
Borziacactella	35	Morawetzia	34
Bryophyllum	7	Mytillocactus	34
C		N	
Carnegiea	34	Nananthus	3
Cephalocereus	32-3-4-6	Neoportia	27-30
Cereus	32-3-5	Notocactus	28-9-30
Ceropegia	3-6	Nyctocereus	35
Chamaecereus 4-33-4		O	
Chamaeclopsis	32-4	Obregonia	30
Chiapara	15	Ophthalmophyllum	3
Chiapensis	15-36	Opuntia	16-33
Cleistoactocactus	32-4	Oreocereus	5-1
Cochimil	26	P	
Conophytum 3-5-10-1		Pachycereus	34
Consolia	16	Pachyphytum	16
Copiapoa	16	Pachyura	27-8
Corryocactus	32	Parodia	27-8
Coryphantha	23	Pedilanthus	3
Cotyledon	3	Pelecyphora	25
Crassula 6-8-10-1		Pellocereus	25
Cryptocereus	15	Peskeria	16
Cyanotis	5	Pileosiplos	5-9
D		Porticaria	7
Dinteranthus	11	Pseudorhipsalis	14
Disophyllum	15	Proactocactus	16
Diapora	15	P	
Dolichothela	23	Pygmaecereus	31
Dyckia	11	Quabentia	16
E		R	
Echeveria 4-5-8-9-10		Rebutia	25-7-9-30
Echinocereus	26	Rhipsalidopsis	13-4-5
Echinocactus	2-26-8-9-33-5	Rhipsalis	14-5-6
Echinomastus	27	Rochea	8
Echinopsis	8	S	
Encephalocarpus	2-24-5-6-8-31	Samsapaticereus	35
Epiphyllanthus	15	Schlumbergera	13
Epiphyllum	12-3-4-5	Sedum 4-6-7-8-10	
Epithelantha	27-9	Selenicereus	32-5
Eriola	34	Sempervivum	10
Eriocereus	33-4	Seneleo	5-11
Erythrorhipsalis	15	Seticereus	31
Euphorbia	33	Seticchinopsis	31
Eulychnia	34	Soehrensia	24
Euphorbia 4-5-9-11		Solia	34
F		Stapelia	4-8-19
Faucaria	4-7	Stenocactus	25-31
Ferocactus	31	Strombocactus	30
Ferocentrus	3-8	T	
Frielia	31	Tacinga	16
Frithia	10	Tephrocactus	33-6
G		Thelocactus	29-31
Gasteria	4-9-11	Trichanthocereus	34
Gymnocactus	3	Titanopsis	7-11
Gymnocalycium	24-5-6-9-31	Tradesantia	3
H		Trichocereus	3-5
Hamatocactus	25	Trichodiadema	7
Harrisia	35	Toumeyia	27
Haworthia	3-5-7-8	W	
Hoya	6	Wobocereus	15-34
Huacana	4-1-6	Wiegartia	28
Hylocereus	35	Werkleocereus	15-34
I		Wilmetta	33
Islaya	26	Wilmetta	35
		Z	
		Zygocactus	14



KENYA DRAGON FLOWER

A pretty Dragon Flower with dark crimson-red, bell shaped flowers. *Huemia keniensis* is an easy and vigorous grower and blossoms from spring to cold weather. Nice..... 40c

TERMS

\$5.00 or more sent postage and handling free.

Less than \$5 add \$1 extra to cover packing and postage costs.

\$10 orders sent for \$9. Over \$10 take 10% discount.

No. C.O.D. orders accepted.

HOW WE SHIP: Parcel Post.

WHEN TO ORDER

CACTI may be shipped to cold regions from about March 15 to December 1 depending upon cold weather conditions in your section. Washington, Oregon, California, Arizona, New Mexico, Texas anytime except when mailers are crowded during Christmas.

SUCCULENT PLANTS from pages 2 to 12 we guarantee safe delivery from March 15 to June 15 and from September 1 to December 1. During the heat of summer succulents may lose their leaves during shipment and are shipped at customer's risk only.

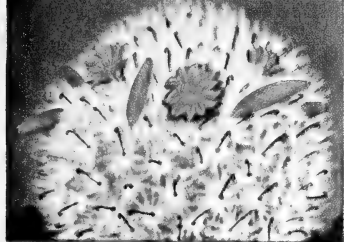
OUR GUARANTEE is for safe delivery of clean healthy stock correctly labelled. We cannot undertake to make good plants lost through improper care. If plants are injured in shipment and we are notified at once we will give credit for all damaged items to be replaced with your next order.

FOREIGN SHIPMENTS

We are equipped to handle overseas shipments. If interested write for further particulars.

ROOTWELL

Want to raise Cactus cuttings? Our new hormone powder for rooting refractory cuttings of all kinds designed particularly for quickly rooting Cacti and Succulents. Sterilizes the cut surface and induces luxuriant growth of roots. Apply dry with finger to fresh cut. Full directions. Per package..... 60c



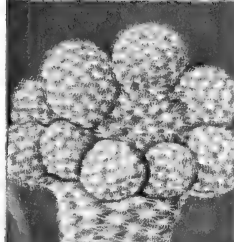
POWDER PUFF (*Mamillaria bocasana*)

Like a bursting cotton ball this little plant is clothed with silky, snow-white hair. Bears creamy flowers which are followed in late spring with inch long brilliant red, curved seed pods. A jewel among cacti. Flowering size..... **50c**



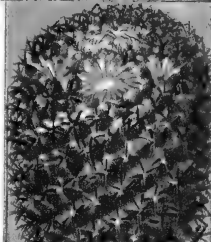
LADY FINGER

An old favorite, *Mamillaria elongata schmollii* has harmless bright yellow, rayed spines. A dainty gem..... **40c**
Clustered.....



THIMBLE CACTUS

Like the Old Lady Who Lived in a Shoe *Mamillaria fragilis* produces many offspring. Harmless white spines. Nice plants..... **40c**



RUBY DUMPLING

Early flowering, quick growing small *Mamillaria* with bright red blossoms. Easily grown. Each..... **40c**

MEXICAN JEWEL COLLECTION No. H25 These four pretty and easily grown Pincushions may be planted in individual 2 or 3 inch pots or may all be planted together in a small ornamental dish **\$1.25**
4 to 5 inches in diameter for a Dish Garden. They all do well in any well lighted window with moderate watering. The set for only.....

MAMILLARIAS or Pincushion Cacti

FOR window gardens no other group excels the lovely Pincushion Cacti. They are easy to grow and to flower and always present a cheerful appearance. There is an infinite variety of them and most may be grown to flowering size in a three-inch pot. The flowers of some of the prettiest appear in winter, the bright red petals nestling in the snowy, cottony puffs which appear at flowering time in rings about the crown. Some seem to be in flower almost all the year. The fruits of many are bright red and spring forth red-ripe almost within a day. They are found chiefly in Mexico growing on the mountains and plateaus or clinging to canyon walls. Some are solitary, some clustering and some form great mounds of a hundred heads, each pressed so closely to its neighbor as to be hexagonal. The spines of none are very sharp or wicked. Some bear silvery white spines so intricately locked the green plant beneath cannot be seen; others have golden stars tipping each small nipple, some bear long, silky hair, others are like cotton balls, and one bears "feathers" as soft and white as eiderdown. Some, as Golden Stars and Thimble, shortly begin to cluster, some flower almost the first year from seed, though generally they take two to three years. Most of the plants we sell are two to three years old, the larger sizes often many more. The white or golden spined species are to my mind the prettiest though the vivid blossoms of the Flame Pincushion, the Rose Pincushion, Ruby Dumping, etc., are lovely for long months.

CULTURE. Most *Mamillarias* require no special care and thrive in a silt loam soil or in a loam with some sand and leafmold added. If the loam is sticky use lots of sand and charcoal. Give them a sunny location in the window and lots of fresh air whenever possible. Water lightly. In moist regions never saturate cacti. The soil should dry out in about 5 to 7 days. When transplanted keep on the very dry side for some weeks till fresh roots form.

GENERAL LISTING

Mamillaria albescens. Flexible white spines. Pretty clustering species..... **50c**
M. albicoma. Silky white haired, spineless clustering species. Rare, very charming plant..... **75c**
M. aurhamata. Similar to Powder Puff but with long pale yellow centrals..... **75c**
M. bicornuta. 3" **\$1**
M. blossfeldiana **\$1**
M. brandegei **75c**
M. brauneana. White short spines, red violet flowers from tufts of wool..... **75c**



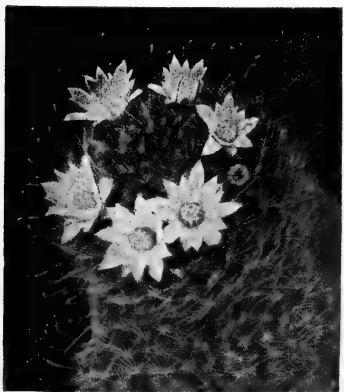
M. collinsii. See photo page 23
M. dealbata. See page 23
M. ebenecantha. 1 1/2"-2" **\$1**
M. echinaria. Clustered yellow spined species with strong central spine. Keep on dry side..... **50c**
M. elongata var. *Autumn.* A variety with reddish spines. Makes a lovely specimen **50c**. Larger. **75c**
M. elongata. *Pink Nymph.* A beautiful pink flowered hybrid. This handsome free flowering plant has pale yellow radial spines and soon forms a nice cluster. This hybrid from our nurseries is much recommended. Each..... **50c**
M. elongata schmollii. Lady Fingers..... **40c**
M. elongata tenuis. A favorite..... **40c**
M. elongata rufrocrocea. Reddish spined..... **50c**
M. erythrasperma. Pink flowers..... **50c**
M. flavovirens. Short nipped, flat-topped with white wool at flowering..... **50c**
M. formosa. White spines. Bright pink flowers. Branches with age..... **50c**
M. galeottii. Flexuous yellow spines, orange red flowers. Makes a large plant..... **50c**
M. geminispina. Handsome, long white-spined, clustering plant. Beautiful, rare..... **75c**
M. guerreronis recta. Rare. Small..... **75c**

ROSE PINCUSHION

The bright and charming *Mamillaria zeilmanniana* is one of my prime favorites. It blossoms very freely and remains in flower several weeks. Even the tiniest plants flower. Sun or partial shade with moderate watering. Do not keep too dry. Each flowering size..... **55c**

CORAL CACTUS

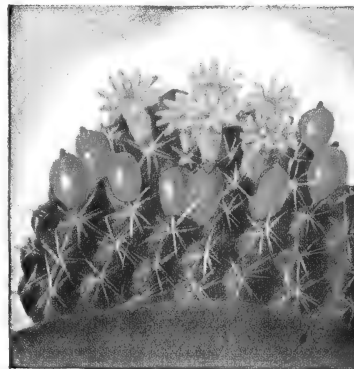
The Coral Cactus (*Mamillaria heyderi*) is one of the prettiest with its cirlet of coral-red berries and charming cream flowers. The berries burst forth red and ripe taking only a few days to appear. Mature fruiting 2"-3" **60c**



FISH HOOK PINCUSHION

The quick growing free flowering *Mamillaria pygmaea* has starry white blossoms followed by bright red, club-shaped fruits which are most attractive. The spines are harmless one tiny central one being hooked. Flowers in sun or part shade. Sandy soil, moderate watering..... **50c**

M. candida. Snowball Pincushion. Snow white globes up to 4" diameter. Spines very short, harmless. Eventually clusters forming. A handsome rarely seen species. 1-1 1/2" **60c**. Large 2"-3" **\$1.50**
M. canelensis. Very rare new species. Large plant, spines yellowish flowers pink. Much white wool in axils. 4"-5" specimens..... **\$4**
M. capensis pallida. Rare species..... **\$1.25**
M. carneia. Flesh pink flowers..... **50c**
M. celsiana. Fine pale yellow spined plant. Large 3" specimens **\$1.25**. Small..... **50c**
M. chionocephala. Handsome white spined. Deep red flowers scarlet fruit. Specimens 2"-3" **\$1.25**. Small **50c**
M. colombiana (*M. bogotensis*) Rare S. American species. Very pretty **75c**
M. compressa. Mother of Hundreds. Forms great mounds. Very handsome species..... **50c**
M. coronaria. White spines..... **50c**

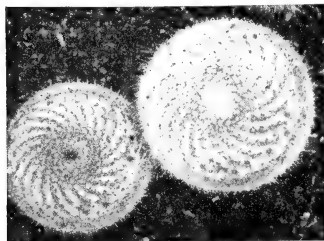




OLD LADY CACTUS

Mamillaria hahniana is a favorite. Old plants are covered with long white hairs. It is lovely in the fall and winter when the bright red blossoms form a ring about the crown each embedded in white wool. It flowers with us in freezing temperatures. Easy to grow in a sunny, airy location. 2" \$1. Small..... **50c**

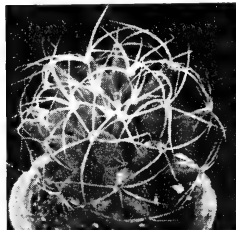
- Mamillaria hahniana superba*. Handsome variety with much silkier wool even on small plants. Large 1 1/2"-2" each..... **\$1.50**
M. hamiltonhoylei. Large growing globular species. Pink flowers. 2"..... **\$1.25**
M. haseltonii. Similar to *M. hahniana*. Small 50c
M. johnstonii. Rare **\$1**



DIADEM CACTUS

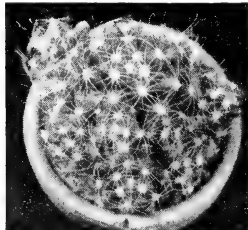
Don't fail to have this lovely flowering cactus. The bright carmine flowers are a beautiful crown nestling among the white wool and darker spines. *Mamillaria werdermanniana* flowers in midwinter and always attracts attention. Large 1 3/4"-2" flowering **\$1.15**. Small 1"..... **50c**

- Mamillaria kewensis*. Bright ruby-red flowers in summer. Easy to grow..... **50c**
M. lewisiana. Variety of *M. brandegei*..... **60c**
M. longicoma. Very pretty species with white hairs and central hooked spine..... **50c**
M. martinii. A form of *M. albilanata*..... **50c**
M. mazatlanensis. Rare species..... **75c**
M. melanocentra. Very large pink flowers. Large flowering size 3"-4"..... **\$2**
M. mexicensis. Rare, recent species 4"-6"..... **\$2**
M. microheliopsis. Rare species. Small..... **60c**



BIRD'S NEST

Curling, feathery yellow spines that are papery, soft and harmless. A quick growing plant that quickly forms a cluster. Individual heads up to 2" across. *Mamillaria comptoniana* grows well in sun or part shade. **75c** and..... **50c**



MAMILLARIA SURCULOSA

Clusters rapidly. Spines soft, papery, brownish, harmless. Flowers opening above the spines, bright yellow and large for such a small plant. Each head forms its own tuberous roots so they may easily be divided. Clusters..... **50c**

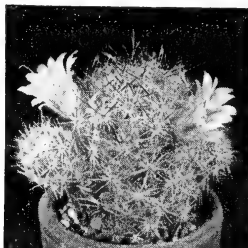
- Mamillaria mieheana*. Forms finger-like clusters with pale straw yellow spines. Related to *M. densispina*..... **50c**
M. mystax. Rose purple flowers. 2"-3" large flowering..... **\$1.50**
M. neopotosina. Short yellow spines, globular plant..... **50c**
M. ortiz rubiona. Beautiful white spined species the spines so located the body of plant can not be seen. Cluster forming Small..... **50c**
M. perbella. White short spines, small close nipples. Large..... **\$1.25**
M. perbella lanata. A variety of *M. perbella*..... **50c**
M. Pfeifferi. Handsome yellow spines. Red flowers. Form of *M. fuscata*, 3"-4"..... **\$2.50**
M. polyedra. A distinct species, globular to cylindric, flowers pink. 1 1/2"..... **75c**
M. pringlei. A beautiful gold-yellow spined species. Spines flexible, very long, curling. Bright red flowers. Large 6 years old plant each..... **\$3.00**
M. pringlei columnaris. Pale yellow with shorter spines. Handsome 1"..... **50c**
M. pyrrocephala. Deep green, columnar plant bearing bright red flowers. Very attractive, long flowering period..... **50c**
M. rhodantha. Rainbow Pincushion. Very variable species, spines yellow to red..... **60c**
M. ritteriana. Uncommon species from Coahuila, Mexico. Large 3"-5"..... **\$1.50**
M. ruestii. A rare and beautiful species from Honduras and Guatemala 1"-1 1/2"..... **75c**
M. saetigera. White spined flattened globular..... **60c**



MAMILLARIA CELSIANA

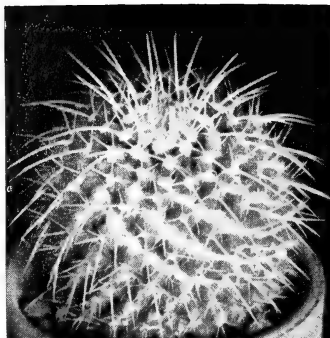
A very attractive species with yellow spines each nipple with a woolly axil. Flowers bright red-pink. With age forms clusters. 3 years 1"-1 1/2"..... **60c**

- M. sartorii*. Flattened globular species. Red flowers. 1"-1 1/2"..... **60c**
M. sempervivi. Distinct species, short conical nipples, flattened globular shape. 1"-1 1/2" each..... **60c**
M. spinosissima. Rare. Large specimens 3"-5"..... **\$3.50**
M. superextensa. Handsome. Tiny tubercles closely arranged. White spines..... **75c**
M. trichacantha. Rare 2"-3" clusters. Large white flowers..... **\$1**



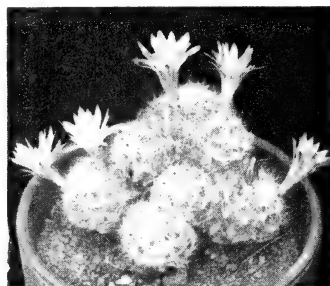
GRAPE CACTUS

The tiny *Mamillaria multiceps* bears an endless quantity of "pups" each one of which will grow. Grows readily in sun or shade the cream-white flowers are followed by very attractive scarlet berries. Small clusters..... **35c**



MAMILLARIA NEJAPENSIS

A new species with white centrals and few radial spines. Rather fast growing. Forms clusters with age. Give them a good silt loam soil with sand and leafmold or peat moss to keep it open. Sunny location. Moderate watering so they do not stay wet. Small 1"..... **40c**



MAMILLARIA BAUMII

This pretty clustering Pincushion has nice yellow flowers produced during the summertime. The plants have almost tuberous roots and very pale yellow spines which are harmless. A slow growing species with heads an inch in diameter closely clustered. Each..... **75c**

- Mamillaria woodsii*. A fine flattened-globular species with deep red flowers embedded in soft white wool. Rare collectors item. 1"..... **50c**
M. viereckii. Rare species..... **50c**
M. waltheri. Flattened globular. 1 1/2"..... **50c**

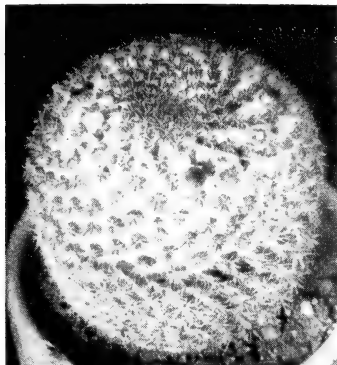
JOHNSON'S CACTI FOOD

- 12 ounce bag..... **55c**
 32 ounce bag..... **\$1**



MAMILLARIA VAUPELII

A handsome species with reddish central spines and white radials. Flowers dark pink or red. Plant globular to cylindric seldom forming a cluster. Easy to grow. Sunny location. 1" plants **50c**. 2" each..... **65c**



MAMILLARIA BRAVOAE

Beautiful species with white spines the central short, black tipped. At flowering the crown is filled with white wool in which the deep pink flowers are set. Plants mostly solitary. Give them a sunny location and moderate watering. 1"-1 1/4".....

50c

CACTUS MAGAZINE

The Cactus and Succulent Journal is published every other month by the Cactus and Succulent Society of America. Join the Society and receive the Journal, 32 pages of cactus lore. Articles of culture, new species, collecting, trips, etc. Send subscription to us. Per year.....

\$4.00

CORYPHANTHA

A large group related to Mamillaria generally with much larger flowers, the nipples grooved. Culture as for Mamillaria but larger pots are usually needed to accommodate the larger roots.

Coryphantha andreae. Large broadly conical nipples, yellow blossoms 1 1/2" diameter. Produces many offsets on nipples. Each.....

50c

C. bumamma. A large species with broad low nipples at flowering with white wool in axils. Flowers 2" diameter bright yellow. Produces offsets. 1"-1 1/2".....

50c

C. clava. Tall growing with long nipples, white spines. Flowers pale yellow. Vigorous plants with tuberous roots. Small 1".....

40c

C. elephanthidens. Very large species with large rose colored flowers embedded in white wool. Very rare collectors items. 1 1/2"-1 3/4".....

\$1

C. georgii. Small species with cream flowers. Long nipples.....

50c

C. gladiospina. Uncommon species. 2".....

75c

C. longicornus. Uncommon.....

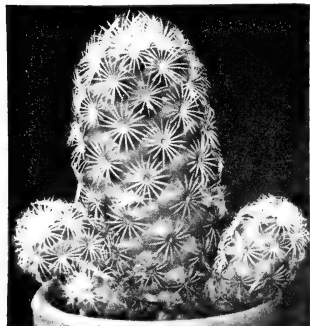
75c

C. palmeri. Pretty species, yellowish spines.....

50c

C. poselgeriana. Uncommon.....

60c



GOLDEN STARS

The popular bright spined Mamillaria elongata should be one of the first plants acquired by beginners. The form we offer is much larger than usual and quickly forms a cluster. Sun or part shade. Of easiest culture. Nice plants beginning to branch.....

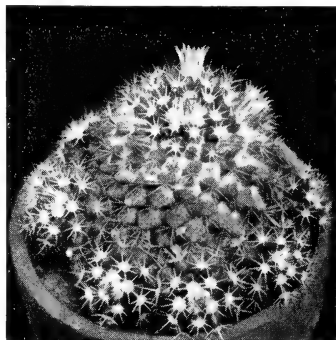
50c



MAMILLARIA MICROHELIX

An elegant small plant each nipple a sunburst of pale yellow spines. Flowers straw yellow or pink. Stems single with age clustering. Sunny location moderate watering. 1-inch.....

40c



MAMILLARIA COLLINSII

A pretty species, in the sun becoming bronzy-green or even dark purple. The plant branches freely above soon forming a small compact cluster. Flowers with yellow margined petals and rose mid-line. 1".....

40c

CACTUS and SUCCULENTS and HOW TO GROW THEM

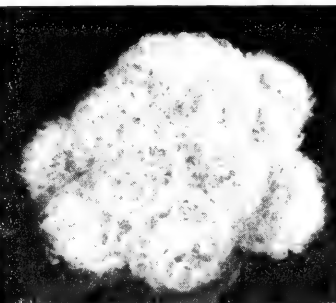
68 page booklet well illustrated on the culture of both Cacti and Succulents. Plain information on the care of your plants.....

50c

CACTI by J. Borg

A 488 page book describing 1,500 kinds of cacti. 129 pictured. Culture etc. Postpaid.....

\$7.75



FEATHER CACTUS

A beautiful and unique cactus. Mamillaria plumosa has curling feathers instead of spines. Snowy-white and as soft as down they completely cover the plant. Easily grown in clean sand with a little leafmold added. Bright, airy situation protected from the noonday sun. 1-1 1/4".....

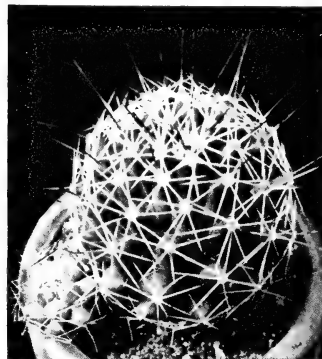
50c



SILKEN PINCUSHION

The dainty Mamillaria bombycina is an exquisite plant. The spiralled nipples are tipped by fine white radial spines with a central hooked one. Tops of plants snow-white from abundant wool. Flowers rose pink. Easily grown branching plant. Each.....

75c



GNOMES PINCUSHION

Mamillaria decipiens becomes the mother of a large family of small plantlets clustering about the base. White blossoms appear early in spring. Easy to grow. Sun or part shade. 1".....

50c

DOLICHOTHELE

Closely related to Mamillaria with soft long nipples, large yellow flowers.

D. longimamma.....

\$1

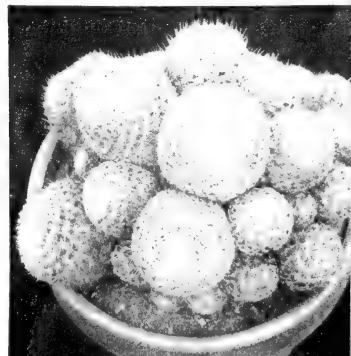
D. sphaerica. Butter Pincushion.....

60c

MAMILLARIA DEALBATA

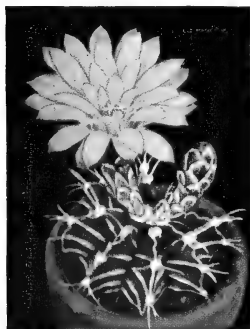
A quick growing, clustering Pincushion with pure white spines. Blossoms bright red followed by long scarlet fruits. Easily grown in a sunny window with moderate watering. Nice 3 year old flowering size.....

50c



ECHINOCACTUS

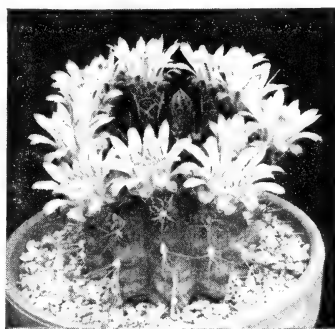
This large group of cacti has been split into many smaller groups called genera. Mostly they are ball or barrel shaped only growing columnar with great age. Some of the cacti listed here are more closely related to the cerei but due to their shape and culture are included for convenience. They vary greatly in many ways. Some are tiny plants, marble size, others may be several feet tall and two feet through at maturity. They are found in either North or South America from Washington to Patagonia. Few of the genera are found on both continents. The North American genera include the true Barrel Cacti i.e. Echinocactus and Ferocactus and such others as Astrophytum, Ariocarpus, Leuchtenbergia, Hamatocactus, Ancistrocactus, etc. South America abounds in them having many beautiful kinds as Noto-cactus, Gymnocalycium, Neoporteria, Islaya, Oroya, etc. Among both North and South American kinds are many smaller less known genera many of which you will find listed here. They are just as distinctive as the larger genera. Almost all the kinds have the ribbed stems. Since during the rainy season they must store a large amount of water this accordion effect allows them to swell up without bursting. The water is usually stored as a mucilaginous sap which the plant can draw upon during periods of drought. A few are found on hot sandy deserts but a great many are native to mountainous regions in brushlands or dry forests. Some of the Andean species grow at almost 15,000 feet.



ROSE PLAID

A dainty miniature flowering when an inch in diameter! Dark almost black body. Clear pink blossoms often as large as the plant are produced through most of summer. Gymnocalycium friederickii is easily grown.....

50c



CHAPLET CACTUS

As with many of the Chin Cacti, Gymnocalycium delatetii is very free flowering, producing a crown of white and ivory blossoms several times during summer. Placed near a sunny window in a light well drained soil watering when dry, it will be a continual delight. Small.....

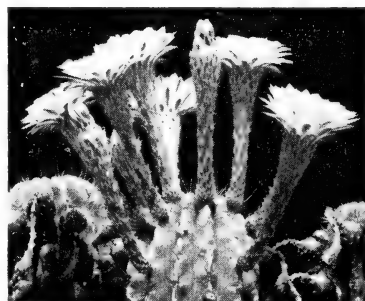
60c



VIOLET SEA URCHIN

Exquisite pale violet blossoms opening one to several at a time. Acanthocalycium violaceum has a small globose many-ribbed body, seldom over 4-5 inches in diameter. A handsome pale green plant with bristly spines. Use a medium sandy loam with 1/4 leafmold or peat. A winter rest will insure plentiful flowering in late spring. A vigorous grower. Small.....

50c



LILAC EASTER LILY

White and ivory petals shading to light lilac at the base. Echinopsis leucantha is a sturdy plant. Easily flowered in a rich loam, sunny location with moderate watering. Small 50c, Flowering size.....

\$1

MEXICAN LIVING ROCK

Rare, curious and beautiful, Ariocarpus fissuratus seems molded from the desert itself. Spineless with tubercles flattened in a grey rosette. From a center crowded with white wool arise the pink blossoms. Plant in washed sand with 1/4 humus, give plenty of light and a long winter rest. Water only when dry. Grows very slowly. Mature plants.....

\$1

ASTROPHYTUM

To this fine group belong some of the most popular and pretty cacti found in Mexico. They are very satisfactory growing under many kinds of treatment. They need an open sandy soil and a sunny airy location. Will stand temperatures to 15° above zero. Water only when dry.

- Astrophytum asterias. Sand Dollar p. 27
- A. capricorne. Goat Horn p. 28
- A. myriostigma. Bishop's Cap. p. 25
- A. myrio. coahuilensis. Small.....75c
- A. myrio. columnaris. Tall variety.....\$1
- A. myrio. nudum. Green variety.....\$1
- A. ornatum. Star Cactus p. 30
- A. ornatum mirbellii. Whiter variety.....75c

AZTEKIUM

A rare, collector's plant 1"-2" in diameter, spineless with tiny ridges. Needs full sun and a very porous soil watering only when dry. Flowers pale pink.

Aztekiu ritteri. The only species. Mature flowering imports each.....

\$2.50

CACTI By J. Borg

The most complete book in the English language on cacti. 1,500 species fully described. 488 pages.....

\$7.75



SOEHRENSIA KORETHROIDES

Handsome red flowers clothed in wool distinguish this species. (formerly Eriosyce korethroides) A barrel type from northern Argentina reaching 10" in diameter. Easily grown, flowering freely at maturity. Large 3"-4" diam. \$1.50, small.....

50c

CULTURE

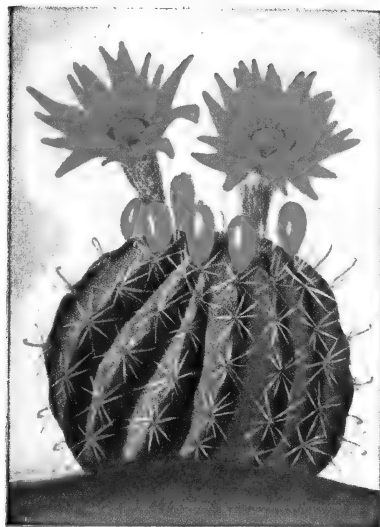
MOST of the Echinocactus group require much the same general care. They like an open porous soil through which surplus water quickly drains away. The compost should not be composed of fine clay-like particles. Some coarse material such as charcoal, gravel, spongerok (perlite), peatmoss, etc. will help to keep the compost open. Open composts allow free penetration of air to the roots. Under these conditions rot becomes unlikely if plants are kept a little on the dry side. A good soil compost is composed of 1 part crumbly loam, 1 part clean coarse sand and $\frac{1}{2}$ to 1 part coarse leafmold or peatmoss to which may be added some perlite or coarse granulated charcoal. Every fancier has his own special mix so you may vary your composts to meet your own needs or limitations as the plants will thrive under many different conditions.

Light. The plants prefer a sunny location or window or at least a very light situation. In dark places they cannot be expected to flower though they will live.

Watering. Water moderately at all times. Let them dry out between waterings. Remember they come from dry regions. Give more water in summer.

CACTUS SEEDS

See page 17 for various mixtures of Cactus and Succulent seeds. Interesting to grow. Directions on how to sow them are given with each seed order. These are not "weedy" mixtures; they contain many choice species.



STRAWBERRY CACTUS

A favorite with bright yellow flowers flushed red at base, followed by brilliant red seed pods. *Stenocactus setispinus* has a globe shaped to cylindric body with slightly hooked spines. Of easy culture, responding to full sunlight and watering when dry. Seldom more than 4"-5" in height. Flowering size.....

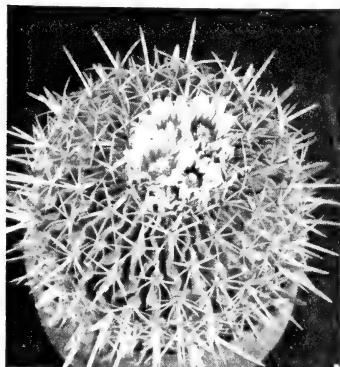
50c



BRUCH'S CHIN

A tiny miniature flowering when less than 1" across! *Gymnocalycium bruchii* has dainty pink blossoms the size of a quarter and forms clusters 2"-3" across. Choice.....

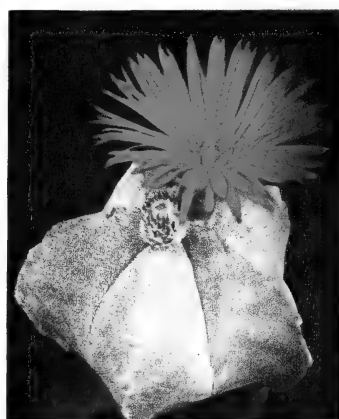
50c



PERMANENT WAVE CACTUS

Ball shaped cacti with many ribs, each waved and contorted effecting a most curious appearance. *Stenocactus* make handsome specimens with narrow or broad stout spines and white or purple striped flowers. Give full sun and well drained soil. Always rare because of slow growth. Flowering size.....

\$1



BISHOP'S CAP

A snow white spineless cactus 5-ribbed much like bishop's mitre. Golden flowers are produced through most of summer. *Astrophytum myriostigma* slowly forms plants 4" to 6" across. Give full sun and water only when dry. Large 2"-2½" flowering \$1.25. Small.....

50c



RUBY EASTERLILY

Glorious flowers of deep ruby red. *Echinopsis kerriana* bears one to several sets of flowers each year. A handsome specimen up to 6" across, enjoying light rich loam, sun and generous watering during summer. Feeding with Johnson's Cactus Food will insure flowering. Small 1" 75c. 3 years 2"-2½".....

\$1.50



SCARLET CROWN

Choicest of the Crown Cacti. *Rebutia grandiflora* has flowers an inch or more across. Forming clusters of many babies and growing easily. It is a choice addition to any collection. Clusters \$1.25. Small.....

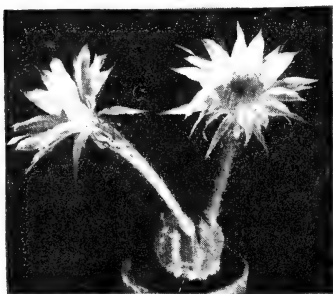
50c

PLAID CACTUS

Gymnocalycium mihanovichii as with most Chin cacti is very free flowering. Flowering with chartreuse blossoms when an inch in diameter and seldom reaching more than 3" to 4". Plants are strongly ribbed and often banded. A choice easily grown plant preferring partial shade and regular watering when dry. Large flowering 1½"-2" 85c. Small.....

50c

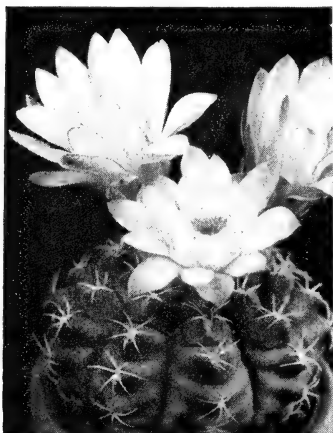




ROSE EASTER LILY

Lovely, graceful rose-pink trumpet-shaped flowers, each petal striped with darker rose. Flowers 5" across on a plant only 2 1/2"-3" across. Short blunt spines. *Echinopsis grandiflora* is among the easiest to grow. Responding to fertilizer with vigorous growth and flowers.

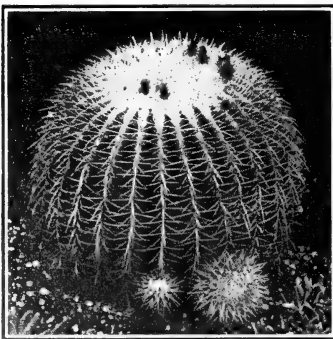
\$1



DAM'S CHIN

One of the many delightful Chin Cacti, *Gymnocactus damii* is one of the easiest grown and freest flowering, producing several flowers at a time during most of summer on plants 1 1/2"-2" across. Give a rich soil—always well drained, partial shade and water when dry.

50c



GOLDEN BARREL

Handsome golden spined globes make *Echinocactus grusonii* a favorite collector's item. Slow of growth, requiring plenty of light, air and warmth to reach perfection. Give well drained soil and water only when dry. Protect young plants from full sun. Young plants have tubercles.

\$1

COCHEMIEA

A fine group with scarlet flowers, clustered, tubercled stems. From Baja California.

- Cochemia poselgeri*. Stems 12" long the tubercles with hooked spine. 3"-5"..... **\$1**
Cochemia setispina. White hooked spines. Small **\$1**

COPIAPOA

Globe shaped or conical cacti from Chile. Usually solitary but sometimes forming clumps. Flowers yellow. Extremely rare in collections. *Copiapoa humilis*. Body brown with black spines. Forms clusters..... **\$1.50**

ARIOCARPUS

Thornless Mexican plants bearing hard tubercles and white or violet pink blossoms. Rare show plants. All our plants are mature flowering specimens. Extremely slow growing. Pot in sand with some leafmold added. Need a sunny, airy location, watering only when quite dry.

Ariocarpus fissuratus. Mexican Living Rock. See color plate 6. 24

Ariocarpus furfuraceus. A fine large species, silver-green in color with large tubercles set in much wool. Large flowering imports. **\$3.50**

A. *kotschoubeyanus*. See photo p. 27.
 A. *macdowellii*. The smallest species. Hand-some violet pink blossoms..... **\$1.35**

A. *retusus*. See photo p. 30

A. *scapharostus*. Long grey tubercles. Very slow growing..... **\$3.50**

A. *trigonus*. A large species with long, triangular tubercles. Plants may reach 8" in diameter. Each..... **\$2.50**

ECHINOCEREUS

The flowers of *Echinocereus* are large and brightly colored red, purple, pink or yellow. Solitary or finger-clustered plants 4"-12" tall. Some are winter hardy. Rich porous soil, sunny location, moderate watering.

Echinocereus amoenus. Bright pink blossoms striped with darker pink. Tuberos root. Flowering plants..... **\$1.45**

E. *caespitosus castaneus*. Comb-like spine clusters..... **75c**

E. *cinerascens*. Violet red flowers..... **75c**

E. *fendleri*. Pink. Hardy. Small..... **50c**

E. *melanocentrus*. Rainbow Cactus. Photo p. 28

E. *merkeri*. Violet red..... **75c**

E. *octacanthus*. Carmine red..... **\$1**

E. *papillosus*. Yellow and red flowers..... **75c**

E. *pensilis*. Red. Rare. To 3 ft..... **\$1**

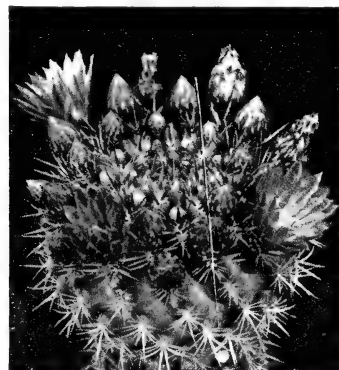
E. *pentalophus*. Hedge Hog Cereus. P. 33

E. *reichenbachii*. Pink flowers..... **60c**

E. *salm-dyckianus*. Red..... **75c**

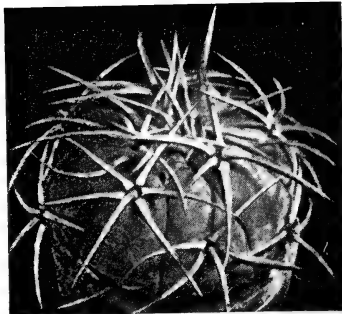
E. *sarrisorphus*. Purple Hedge Hog Cereus. p. 33

PINE CONE CACTUS (*Encephalocarpus strobiliformis*). Extremely rare Mexican cactus. Mature imports..... **\$3.50**



FLAME CACTUS

A dark bodied, very spiny cactus with dark flame colored blossoms produced in a crown at the top. Intricately interlaced spines make it a handsome plant. *Pyrrhocactus horridus* enjoys a sunny location, a very porous soil and moderate watering. It appreciates cactus food during summer. Nice 3 year old plants..... **60c**



EAGLE CLAWS

Bluish-grey globe-shaped body with stiff, recurved spines. *Echinocactus horizonthalonius* produces catenary buds opening into radiant pink blossoms with crepe-like petals. Plant in washed sand with 1/2 part humus and give full sun, watering only when dry. A handsome collector's item. Very slow growing.

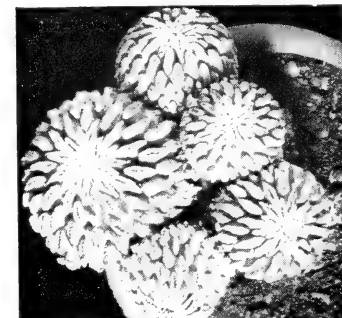
\$1

ISLAYA

A small group of conical, ribbed cacti found in Peru. They grow generally on the pampas where it never rains but where it is often foggy. Flowers yellow or red and they are free blooming. Give a sunny location and very moderate watering.

Islaya minor. Rare.

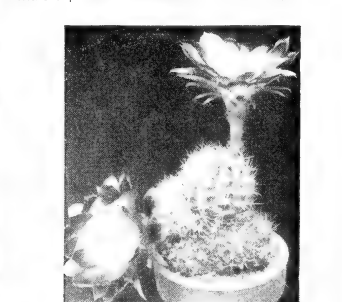
Pretty species..... **\$1**



PELECYPORA AELULIFORMIS

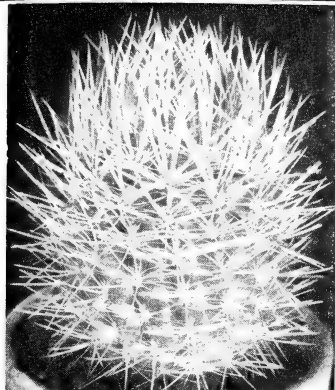
With spine cushions arranged in a star-burst pattern this rarity zooms forth with a brilliant pink blossom during mid-summer. Short recurved bristly spines (pectinate) make it practically spineless. Plant in washed sand with 1/4 humus, sun, water sparingly.

\$1.35



LOBIVIA LARABEI

A dainty diminutive elf forming small clusters. Freely branching, producing luminous red blossoms larger than itself. Introduced by us several years ago and a continued favorite. Rich soil, sunny location, moderate watering. Flowers when small..... **50c**



MALACOCARPUS

These fine vigorous cacti are native to Argentina, Brazil and Uruguay. They are simple, flattened globes, woolly at the apex and with sharp ribs. The blossoms are large, bright yellow. Give them a rich, porous soil, sunny location, moderate watering.

<i>Malacocarpus corynodes</i> , Small, 7-8"	
<i>M. erinaceus</i> , Small	75c
<i>M. kovericii</i> , Small	75c
<i>M. paucicostatus</i>	75c
<i>M. sellowii</i> , Flowering	\$1.25
Small	75c
<i>M. vorwerkianus</i> , Small species from Columbia	75c

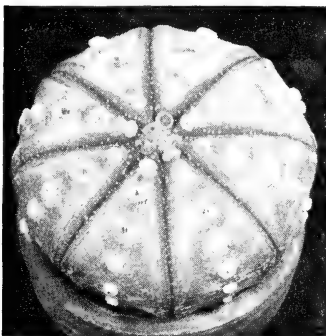
NEOPORTERIA ATRISPINOSA

A bright flowered cactus opening its red-pink crown of blossoms during the coldest winter months from November to February. These Chilean plants are great favorites of mine for they are so easily cared for and such consistent bloomers, 1" each.....

75c

TOUMEYA PAPYRACANTHA, Curious, with papery spines. Extremely rare. Mature.....

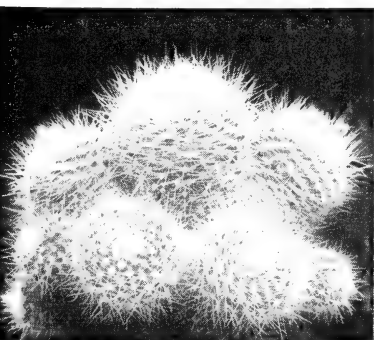
\$1.50



SAND DOLLAR

Like some strange denizen of the sea shore, *Astrophytum asterias* is spineless with only round felted areoles remaining. During mid-summer large yellow flowers flushed with cherry red at base are produced. Plant in builder's sand with 1/4 humus added. Water sparingly when dry. Rare.

90c



SNOWY PARODIA

Long an unobtainable collector's item, we are now able to offer choice seedling plants of this rarity. Beautiful snow white spines, globe shaped, seldom branching. *Parodia nivosa* has bright red flowers. Plant in porous, loamy soil, watering moderately. Give partial shade and an occasional fertilizing. Beautiful.....

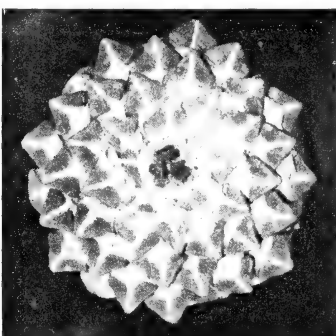
\$1

ECHINOMASTUS

Mexican and S. Western cacti from very dry regions and generally very heavily spined. Plants conical, the ribs tubercled. Grow in a very sandy compost, full sun very moderate watering. Imported mature Mexican plants.

Echinomastus mcdowellii, Handsome white spined Beautiful specimens!.....

\$2.25



ARIOCARPUS KOTSCHUBEYANUS

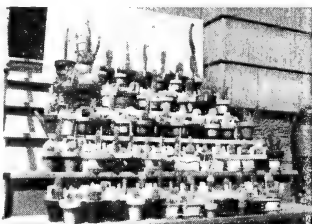
A rare, most curious cactus from Mexico. Spineless, the tubercles are arranged in a tight rosette making the plant flat on top. One to several attractive pink blossoms are produced from a cotony center. Plant in builder's sand with 1/4 humus and give full sun. Mature plants.....

\$1.65

EPITHELANTHA

Most interesting small globular cacti from 1" to 3" tall with a myriad very tiny nipples and spines. Those listed are varieties of *E. micromeris*.

<i>Epithelantha fungifera</i>	95c
<i>E. multiceps</i>	95c
<i>E. multicephala</i>	95c
<i>E. tuberosa</i>	95c



A PENNSYLVANIA COLLECTION

Mr. W. M. Heath, Jr. (Cactus Bill) of Butler, Penn. has a prize collection of over 150 varieties. Every plant is carefully labelled and growing healthily.



FIRE CROWN

Rebutias with their ease of culture and free flowering capabilities are an amateur's delight. *Rebutia senilis* is no exception, quickly forming large clusters with many of the heads flowering, with lustrous orange-red blossoms. The soft white harmless spines greatly enhance its attractiveness. Rich porous loam, moderate watering and partial shade will insure flowering. We freely recommend it to all collectors.....

50c

NEOPORTERIA

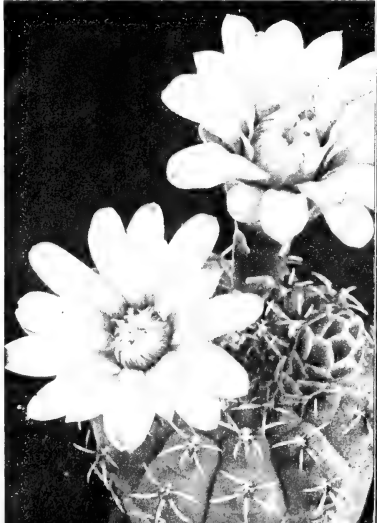
Many commence their flowering season in November and continue until January with bright pink flowers. Others are spring flowering. Conical ribbed plants from 2" to 8" tall native to Chile. Give them a rich porous soil moderate watering and a sunny position.

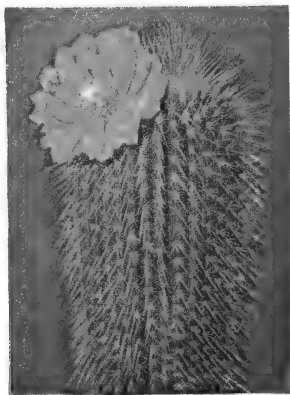
<i>Neoporteria atrispinosa</i> , A curious species with almost black spines. Flowering from November on. Dark pink. Each.....	60c
<i>N. atrispinosa x napina</i> , Charming free flowering pink hybrids. Early spring flowering. Flowering.....	\$1.25
<i>N. castanioides</i> , Fall blooming. Pink Small.....	\$1
<i>N. heteracantha</i> , Deep pink blossoms in the fall. Small.....	75c
<i>N. macillarioides</i> , Light pink flowers. Small.....	75c
<i>N. napina</i> , Cuttings for grafting.....	75c
<i>N. senilis</i> , Photo p. 30.	
<i>N. nigricans</i> , Almost black plant. Flowers large reddish yellow.....	75c
<i>N. subgibbosa x napina</i> , Fine bright flowered hybrids.....	75c

DWARF CHIN

Gymnocylindrum quehlanum has an almost black, flattened globe shaped body, short recurved spines on a long top root. Freely flowering when quite small—1 1/2-2" diam. with white petalled flowers flushed red at base. Adaptable to almost any condition, but preferring a porous soil and moderate watering. Nice.....

50c





GOLDEN BALL

Soft golden bristles so closely set as to seem like hair. *Notoacactus leninghausii* is globose when young, cylindrical and branching from base when older. Mature plants produce fragile lemon yellow blossoms at the tips. Easily grown; give porous soil, sun and moderate watering. For a handsome pot we are making a special **TRIO OFFER** this year of 3 plants in graduated sizes (small medium and large) for **\$2.85**, a **\$3.25** value! specimens 4" **\$1.75**, 2"-3" **\$1**, small..... **50c**

PARODIA

Handsome group from the Andes of Argentina and Bolivia. These bright flowered plants are easily flowered. Rich porous soil, sunny location, moderate watering.

Parodia chrysanthion. Golden Parodia. Lovely.....75c
P. comparapana. New Bolivian species. Orange-yellow flowers. Large..... **\$1**
P. mutabilis. Yellow flowers.....50c
P. scopoides. An Argentine species. Flowers orange.....75c

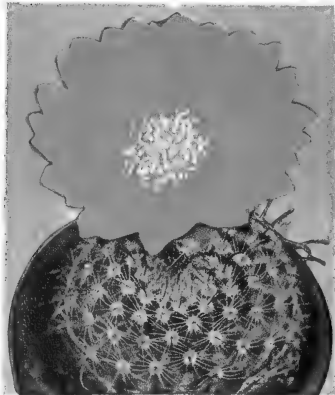
WEINGARTIA

Fine plants with tubercled ribs. Flowers are deep golden yellow. Enjoy a rich but porous soil, sunny location, moderate watering.

Weingartia cumingii. Handsome globular plant bearing rich cadmium yellow flowers in abundance. Stands much cold. Bolivia. Small **\$1**.

HAMATOCACTUS

H. hamatacanthus. Makes fine specimens.....65c



TOM THUMB

Parodias are highly esteemed for their free flowering qualities and ease of culture. *Parodia aureispina* delights all with its yellow flowers—often several borne at one time, and diminutive appearance. Full sun or partial shade, porous rich soil and regular watering..... **75c** suit it best.



GOLDEN EASTERLILY

Easily flowered when small, *Lobivia aurea* is a highly satisfactory plant with trumpet shaped flowers. Give full sun, a porous rich soil and moderate watering to this vigorous grower. Use cactus food for best flowering. Flowering **\$1**, nice..... **50c**

ECHINOPSIS

Easter Lily Cacti

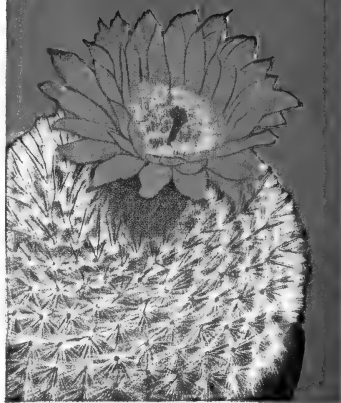
Favorites because they flower for everyone and the blossoms are large and colorful. Vigorous rooted plants fine for pot culture or for planting out where temperatures don't get below 24° above zero. Give them a rich porous soil a sunny location and moderate waterings.

Echinopsis calachlora. Handsome green plant.....60c
E. cordobensis. Strong spined handsome plant. Small.....50c
E. eyriesii rosea. True. Handsome huge pink blossoms. Nice.....75c
E. ferox (Lobivia) Black spined.....65c
E. fiebrigii. Unique large grower. White.....75c
E. grandiflora. See photo p. 26. Rose Easterlily
E. hamatacantha. Pygmy Easterlily. Very free flowering mountain species. White. Flowering specimens **\$1.25**, small.....65c
E. Heavenly Twins. Twinned flowers. Pink.....60c
E. huallii. White flowers.....75c
E. Johnson's Hybrid. Grand pink flowers.....75c
E. kermessina. Ruby Easterlily p. 25
E. leucantha. Lilac Easterlily. p. 24
E. leucorhodantha. Small. Very free flowering. Lovely mountain species.....50c
E. Los Angeles. Deep green body. Very short harmless spines. Pink flowers. Choice.....75c
E. obrepanda. Strong spined. Specimen.....**\$1.50**
E. polyancistrata. Huge white flowers.....75c
E. rhodotricha. White and ivory flowers. Flowering.....**\$1**
E. ritteri. Giant Easterlily. A huge species to 6" across. Dazzling white flowers. Nice.....75c
E. schwantesii. New.....65c



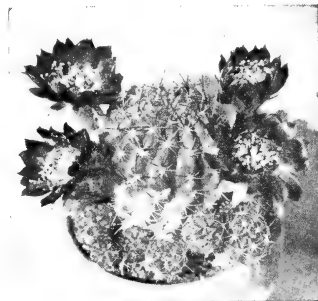
GOAT'S HORN

Astrophytum capricorne makes a superlative specimen. Long flexible harmless spines and gorgeous 2-3" golden flowers with cherry center..... **65c**



SILVER BALL

Silvery bristle-like spines completely clothe this beauty. Often tinged red in full sun, contrasting beautifully with yellow flowers borne in mid-summer. An elegant plant, seldom branching, needing only a porous loam, sun, and moderate watering to reach perfection. Be sure to add *Notoacactus* scopas to your collection. Each..... **50c**



LOBIVIA PAUCARTAMBENSIS

A choice introduction of ours from Peru. Dark flexible spines, globose body with many clustering babies. Ruby-red blossoms appear during summer. Give full sun and moderate watering. Nice plants..... **50c**

Echinopsis spiniflora. Angel's Trumets.....75c
E. sylvestrii. White.....75c
E. tubiflora. New Argentine import.....75c
E. tucumanensis. Clustering.....75c

RAINBOW CACTUS

Echinocerus melanocentrus is almost always in bud when we ship it in the spring. It often flowers when only an inch tall but may grow 3". Blossoms always larger than the plant. Of the easiest culture liking a sunny window. From Oklahoma, Hardy, Nice..... **50c**





RED CROWN

So easily grown and flowering for everyone, *Rebutia minuscula* forms charming small clusters, each head encircled by scores of babies each one flowering when mature enough. During spring months buds and flowers appear almost continuously over a period of many weeks. An irresistible miniature; happy in porous soil and partial shade to full sun. Water when dry. Clusters \$1.25, flowering.....

50c



AGAVE CACTUS

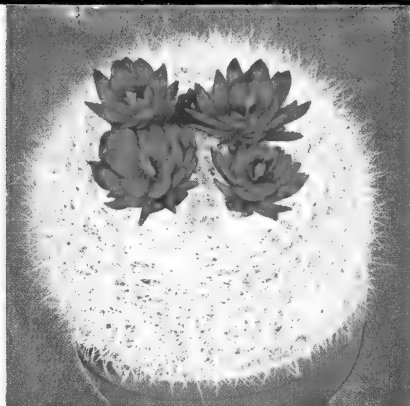
An extremely rare curiosity from Mexico. Very slow of growth. *Leuchtenbergia principis* will always remain a collector's item. Long grey-blue tubercles, large yellow flowers lasting several days.....

\$2.00

SOLISIA PECTINATA

A rare monotypic genus from Mexico. Small globular plants with white depressed spines, small yellow flowers. Builder's sand, 1/4 leafmold, Sun. Mature imports.....

\$1.85



SCARLET BALL

Glorious white globes crowned with scarlet blossoms that flower over a period of several weeks. Flowering when small 1 1/2"-2" diam., *Notocactus haselbergii* makes handsome specimens 4" across. The bristle-like spines are harmless. A rich porous soil, moderate watering, and sunny or partly sunny location suits it. A scarce cactus very easy to grow and flower. Large 2 1/2"-3" specimens \$2.50, nice 3-year old.....

\$1.50



FRILLED LACE CACTUS

These plants bear gaudy, bright rose-pink blossoms 2"-2 1/2" across. They flower freely several times during the summer. Plants conical 2"-3" tall. In the wilds they take below zero weather. *Echinocereus fitchii* is charming.....

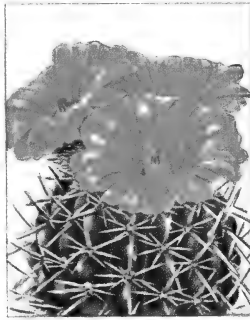
50c



WHITE CHIN CACTUS

Should be in every collection. A real spiny plant with black, curved spines. Charming white blossoms in June. *Gymnocylidium schickendantzii* is easily grown, sandy loam, moderate watering, sun. Nice plants.....

50c



LEMON BALL

Notocactus submammulosus is a must for the beginner. Stands lots of cold. Rich porous soil, moderate waterings. Mature blooming 3 years \$1. 2 year.....

50c



GLORY OF TEXAS

Gorgeous crepe-like, brilliant pink blossom 2"-2 1/2" across. Our plants are all mature flowering specimens with dormant flower buds. *Thelocactus bicolor* likes light soil or sand with leafmold, moderate watering. Specimens 75c. Nice 2" flowering.....

60c

QUARTET COLLECTION H26. Four Fine Flowering Cacti.....

\$1.50

WALLFLOWER CROWN



WALLFLOWER CROWN

(At left) Easily grown and soon branching into clusters. Each plantlet will flower when mature. Dark red flowers appear in spring and continue over many weeks. Porous loam, moderate watering, full sun to partial shade. Clusters \$1.25. *Rebutia pseudodeminiata*. Flowering.....

50c



BUTTON CACTUS

White bristly spines arranged in a perfect geometric pattern. Coat button size *Epithelantha micromeris* is a real collectors item. Grow in builder's sand with 1/4 humus watering when dry. Each.....

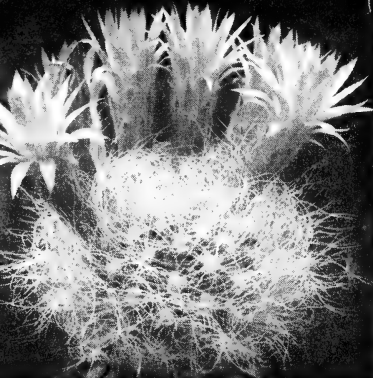
60c

PINK CROWN

Rebutia violaciflora is a very easily flowered variety. The radiant rose-pink blossoms are much brighter than shown. Give a sandy or partly sunny location, rich porous soil and moderate watering. Clustered \$1.25, flowering.....

65c





CHILEAN OLD LADY

Long white interlaced bristles completely clothe this beauty. One of the loveliest cacti in existence. In early summer exquisite rose-pink blossoms appear at the crown. Flowering earliest when grafted on White Torch. Give a rich porous soil watering when dry. Neoporteria senilis. 3 year old plants. **\$1**

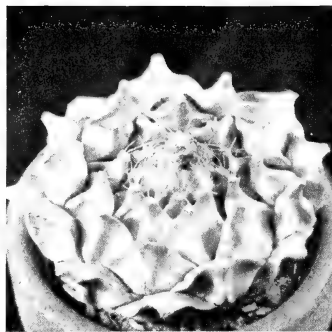
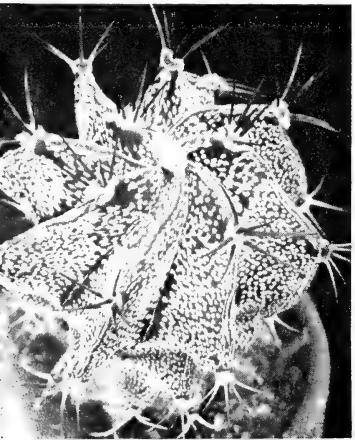
NOTOCACTUS BALL CACTI

Some of the most fascinating and lovely cacti are in this group. The beginner is at home with them for they will grow under varied conditions and flower quite freely. They make fine, long-lived specimen plants. None grow too large for the small collection. Give them a rich, porous soil and during the spring and summer sufficient water and cactus food to keep them plump and growing. They bloom in late spring.

- Notocactus opicus.** Sun Cups. Large yellow blossoms. 50c
N. arechevalletii. A fine rare species. \$1
N. braziliensis. A fine new species. Small. 75c
N. catamarcensis. A rare species. Yellow flowers. 75c
N. cespitosus. Rare species. Small. 75c
N. floricosus velanovskii. Flowering specimens. \$1.35
N. graesneri. Yellow Ball. Handsome clear yellow spines. Small. 50c
N. grossel. Large flowering. \$1.50
N. haselbergii. Scarlet Ball. See p. 29
N. leninghausii. Lemon Ball. See p. 28
N. linkii. Yellow flowers. 50c
N. ottonis. Indian Head. Reddish spines. Bright yellow flowers. 50c
N. ottonis tenuispinus. Longer, more slender spines. 50c
N. pampaeus. Stiff spines. Yellow blossoms. 50c
N. rutilans. Pink Ball. Lovely rose-pink flowers. 60c
N. schumannianus. Giant Ball. Large 2-3" \$1.25, small. 50c
N. scopia. Silver Ball. See p. 28
N. tabularis. Flattened body, reddish spines. 50c

STAR CACTUS

Handsome white speckled body and golden spines. Columnar in habit with large lemon yellow flowers. *Astrophytum ornatum* is an old favorite of easy culture that should be in every collection. Grows freely in a sunny location or partial shade with moderate watering. Large 4-6" tall, \$2.25, nice. **50c**



OBREGONIA DENEGRII

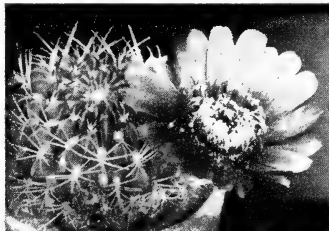
A very odd Mexican Cactus quite rare in collections. Hard textured body; handsome white flowers. Does well in builder's sand with 1/4 humus, acidified, a sunny location, watering when dry. Mature flowering imports. **\$3.50**

REBUTIA

CROWN CACTI

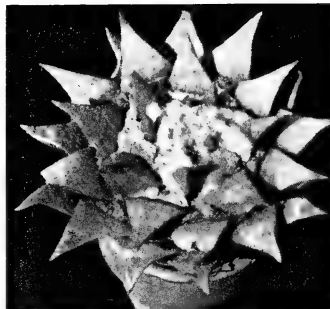
On page 29 are colored pictures of Crown Cacti. Those listed here are just as handsome but there is not room enough to feature all of them. The blossoms are bright and the plants differ among themselves considerably. Forming clusters, each head flowering when mature so that a large cluster may have 6 or more flowers open at once. Try them and you will be pleased. Give them a rich porous soil, moderate to generous waterings and a sunny position:

- Rebutia aureiflora.** Orange yellow. 80c
R. chrysacantha. Red flowers. 60c
R. costata. Red. Unique. 75c
R. dasylaphra. Handsome, red. 75c
R. digitiformis. Clustering. Red. 75c
R. duarsmaiana. Very rare. \$1
R. elegans. Dark red. 50c
R. fiebrigii. Vigorous. Deep red. 75c
R. grandiflora. Color plate page 25
R. kranziana. Dark red. Distinct. 75c
R. lupperiana. Vivid red. 75c
R. Lemon Queen. Lemon yellow flowers. A form of *R. chrysacantha*. 75c
R. nigricans. Clustering. Red. 75c
R. pseudodeminuta. Color page 29
R. pseudodeminuta var. schumanniana. Vigorous with dark red flowers. 75c
R. pseudominuscula. Deepest red. 75c
R. pygmaea. Finger-like stems. 75c
R. ritteri. Fat, clustering. 75c
R. rubelliflora. Orange red. 75c
R. rubriflora. Bright red. 75c
R. senilis. Red. 75c
R. senilis iseliana. 75c
R. senilis lilacino-rosea. Lilac pink. 75c
R. spegazziniana. Red. 75c
R. spinosissima. Brilliant white spines. \$1
R. steinbachii. Handsome rare species with brilliant violet red flowers. 50c
R. steinmanni. Finger clusters. 75c
R. violaciflora. Color plate page 29



LOBIVIA WALTERSPIELII

Deep ruby red blossoms, dark green many ribbed body and light colored recurved spines make this Lobivia outstanding. A porous loam and moderate watering is best. As with many Lobivias, a long winter's rest at cool temperatures (45-50°) will insure spring flowering. **75c**



ARIOCARPUS RETUSUS

Hard textured blue-grey tubercles arranged in a star pattern with copious white wool between tubercles and at center. Fair white flowers with golden stamens. Grow in builder's sand and 1/4 humus such as leafmold. Place in a sunny location, watering when dry. Mature flowering imports. **\$2.50**

LOBIVIA

For the beginner these are a "must have" group. The flowers are beautiful in lovely shades of pink, red and yellow. They bloom incredibly freely when their simple wants are met. Native to the high mountains of South America they stand considerable cold and should be wintered in a cool place such as a basement near a window, or frost free room.

- Lobivia ayacuchensis.** Large new species. \$1
L. backebergii. Red flowered. 75c
L. boliviensis. Red. Clustering. 75c
L. calceensis. From Calca, Peru. 50c
L. carminiantha. Lovely yellow. \$1
L. chrysochaete. 50c
L. churinensis. Tubular red flowers. 50c
L. cinnabarina. Large plant. Nice 1 1/2" 50c
L. corbula. Orange red. From Juliaca. \$1
L. cylindrica. Yellow flowers. 50c
L. densispina. Large yellow flowers. 2-3" \$1
L. fomatimensis nigricans. Almost black body, small 75c. Large. \$1.25
L. haageana. Handsome yellow. 50c
L. hermanniana. Tall, cespitose. Red. 75c
L. hertrichiana. Red flowered. 75c
L. higginsiana. 75c
L. huascha. Yellow flowered. 4" 75c
L. huascha rubra. Red flowers. 75c
L. jajoiana. Claret red. 50c
L. longiflora. Long red flowers. 50c
L. nealeana. Red. 50c
L. neo-haageana. Orange red. Nice. 75c
L. orensis. Red. 50c
L. pontlandii carminea. Red. \$1 and. 50c
L. planiceps. Dark red. 50c
L. pseudocachensis. Red. \$1
L. rebutiloides. Red flowers. 50c
L. raphidacantha. Red pink. 50c
L. rubescens. \$1
L. sanguiniflora. Red. 50c
L. shafteri. Yellow. 75c
L. varians. Red and yellow. 75c
L. walterspielii. Large red. 50c
L. Westii. Tubular red flowers. 75c

STROMBOCACTUS

Curious low, almost flat Mexican Cacti. Few spines or spineless. Horny tubercles arranged in spirals. Builder's sand and 1/4 leafmold. **Strombocactus disciformis.** Flowers white. Very slow growing. Small flowering plants. \$1.45
S. pseudomacrothelys. Flowers white with purple stripes. Small flowering. \$1.50



A NEW YORK COLLECTION

Mrs. Russell S. Congdon of Vernon, New York, is the proud owner of a fine collection of cacti and succulents. Notice the fine Elk Horn Euphorbia in back row center.

GYMNOCALYCUM

CHIN CACTUS

The Chin Cacti are particularly good for the beginner as they flower freely and require no experienced care. Many bloom over the entire spring and summer. They like a rich but porous soil and moderate waterings, doing well in sun or part shade.

- G. *andreae*. A pretty species with blackish blue body, yellow flowers..... 60c
- G. *anisitsii*. Large white flowers..... 60c
- G. *balduanum*. Rainbow Chin. Lovely colorful species 60c
- G. *bodenbenderianum*. Pale flesh color..... 50c
- G. *bruchi*. Bruch's Chin, p. 25
- G. *damisi*. Dam's Chin, p. 26
- G. *deesianum*. Handsome white flowered large growing species..... 75c
- G. *delatitii*. Chaplet Cactus p. 24
- G. *denudatum*. Fine, almost spineless..... 75c
- G. *friederickii*. Rose Plaid, p. 24
- G. *gibbosum*. A fine tuberclered species. Flowers white. Flowering size..... 60c
- G. *hyptiacanthum*. Yellow flowers. Small..... 60c
- G. *joossensianum*. Pink. Rare. Large..... \$1.50
- G. *leanum*. Yellow Chin. Yellow flowers. \$1 and 60c
- G. *leptanthum*. Pink Pearl Chin. Pink..... 75c
- G. *mihanovichii*. Striped Chin, p. 25
- G. *monvillei*. Stout Spined Chin Cactus. Large white flowers. Handsome strong yellow recurved spines. Large \$1. Small..... 60c
- G. *mostii*. Fine large species. Flowers white. Small 60c and \$1
- G. *multiflorum*. Handsome white flowers. Large \$1
- G. *occutum*. Flesh pink. Small..... 60c
- G. *ourselianum*. Oursel's Chin. See this page.
- G. *quehlianum*. Dwarf Chin. Page 27

SETIECHINOPSIS MIRABILIS.

The "Flor de Oracion" of Argentina. Almost black in color, 2-3" tall. Flowers white. Nocturnal. Flowering size..... **65c**

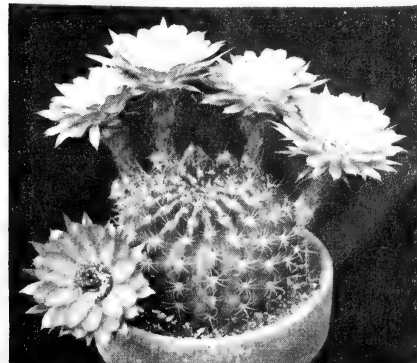


A CANADIAN COLLECTION

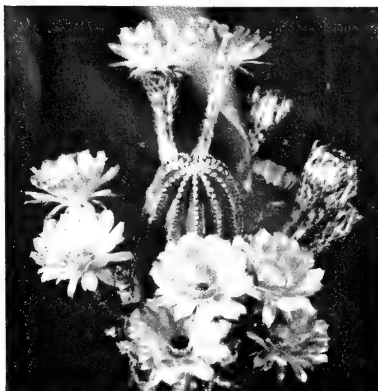
The fine specimens being shown by Mrs. Laval Goulet of Amos, Quebec, Canada proves cacti can be grown far north. Notice the fine Old Man in the center.

DAINTY BESS

A pretty, small plant with light crimson flowers freely produced. Give it a good loam soil, a sunny location and keep it moist during summer and it will flower abundantly. These hybrids are very satisfactory. Each..... **\$1.50**

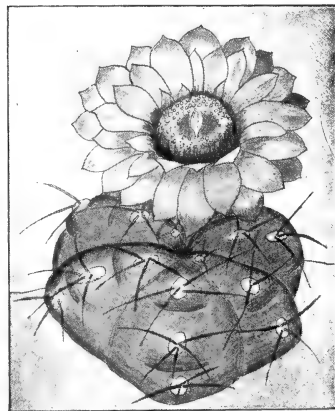


PARAMOUNT HYBRIDS



ORANGE PARAMOUNT

Lovely orange yellow blossoms. Extremely free flowering, flowering well even when young. Almost spineless with dark green body. Give a rich loam, repotting as necessary, watering generously during summer. Likes full sun. Flowering..... **\$1**



OURSSEL'S CHIN

A vigorous plant reaching 3 inches in diameter. Flowers white, sometimes pink, quite large and opening widely. Most attractive. Gymnocalycium ourselianum flowers freely and is easily grown. Partial or full sun, watering when dry. Fine small plants..... **75c**

GYMNOCACTUS

G. *gielsdorffianus* \$1, G. *saueri* \$1.35, G. *saussurii* \$1.35.

FRAILEA

F. *dadakii* 85c, F. *despaultherima* 65c, F. *schilinskyana* 85c, F. *pumila* 65c.

MATUCANA

Conical ribbed cacti from the Andes of Peru. Bristly white spines and long tubed red flowers.

Matucana yangancensis..... **\$1**
Brand new, Small.....

THELOCACTUS

Handsome flowering conical plants from Texas and Mexico.

Theolocactus bicolor var. tricolor \$1, T. goldii, a new species—lovely 75c, T. roseanus 75c.

THESE bright blossoming cacti flower much more freely for the beginner than some of the well known older species. They are very strong rooted having hybrid vigor. The colors range from pink through various shades of shrimp and salmon to brilliant red, tangerine, strawberry pink, golden yellow, a kaleidoscope of color. The flowers of the Monarch type are 6" to 8" long and extremely freely borne.

Culture. They do best in a rather rich loam soil with moderate to generous waterings particularly in summer when growing. Give full sun.

Orange Paramount. Photo at left.

Red Paramount. Photo below.

Forty Niner. Radiant yellow blossoms with bright green body. Handsome..... **\$1.50**

Fluffy Ruffles. Ruffled 6" flowers flushed glowing orange. Free flowering. Vigorous..... **\$1.25**

Tangerine. Brilliant tangerine. A vivid, lovely flower 5"-6". Plant strong with dark spines. Stock limited..... **\$1.50**

Sunset. Red with violet overlay the petals with pale yellow central stripe. 6" blossoms..... **\$1**

Salmon Queen. Rich salmon pink 6" flowers. Very vigorous grower..... **\$1**

Dainty Bess. See photo below.

Orange Glory. Sold out for this year.

Peach Monarch. Glowing peach pink..... **\$2.50**

Red Pigmy. Pretty red blossoms very freely borne..... **\$1**

Kate Walker. Handsome red flowers. A fine vigorous variety..... **\$1.25**

Red Meteor. One of the finest deep reds. Handsome plant with bright flowers..... **\$2**

Morning Glory. Lovely 6" pink blossoms..... **\$1.25**

FEROCACTUS

LARGE BARREL CACTI

F. *coloratus* 60c, F. *covillei* 75c, F. *herrerae* 65c, F. *latispinus* 65c, F. *rectispinus* 75c, F. *recurvus* 65c, F. *visnaga* 65c.

STENOCACTUS

PERMANENT WAVE CACTI

S. *coptonogonus* 85c, S. *densispinus* \$1, S. *hastatus* \$1.25, S. *lloydii* 75c, S. *sphaecelatus* \$1.

PYGMACOECEUS

Small cerei with fragrant white flowers at night. Cluster forming.

Pygmaeoceus akersii. The tiniest..... **85c**

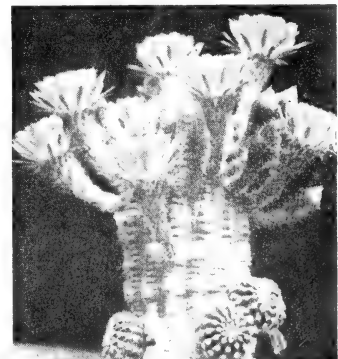
P. *napius*. Turnip like root..... **85c**

P. *nycticalis*. Carrot rooted..... **85c**

P. *vespertinus*. Free bloomer. Lovely..... **\$1**

MELOCACTUS

M. *macracanthus*, small 90c, M. *curvispinus* \$1, M. *townsendianus* \$1.



RED PARAMOUNT

A vigorous free flowering variety, dark green with short spines. Blossoms varying from orange to bright red at different seasons. Flowering during late spring and summer, older plants often bearing 25 or more flowers at a time. Give loam and water generously during summer. Likes full sun..... **\$1**



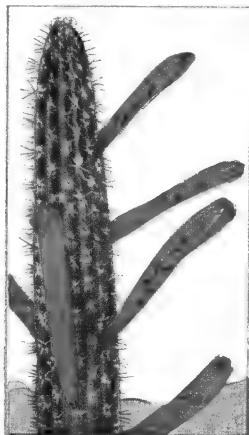
QUEEN OF NIGHT

A slender climber almost thornless, easily confined to a trellis or espalliered on a wall. Does best in partial shade but will take morning sun. Huge 14" glistening white flowers with golden stamens and sepals opening at dusk and remaining open until morning. *Selenicereus macdonaldiae* enjoys a rich well drained loam. 12"-14" \$1, small

60c

CEPHALOCEREUS OLD MAN CACTI

Cephalocereus arborescens, Brazil.....\$1
C. alensis, Mexico. Attractive seedlings.....75c
C. leucocephalus, Mexico. Very woolly. Small.....\$1
C. palmeri. See Woolly Torch p. 33



SCARLET BUGLER

Slender, many ribbed stems up to 3' sporting tubular bright red firecracker blossoms during summer. *Cleistocactus baumannii* flowers quite freely and is easily grown preferring sandy loam, full sun and moderate watering. Our plants are cuttings from mature flowering plants, sure to flower. Each

60c

PERUVIAN APPLE

Cereus peruvianus hybrids grow rather more quickly than most cacti liking a rich soil and plenty of water during the growing season. The large fruits vary from red to yellow and are sweet. Cuttings from mature plants will often flower the first year. Mature cuttings 10" to 14" 2.75, nice seedlings 5"-8".....

60c



CEREUS and Its Allies

A noble and greatly diversified group of cacti distributed over the warmer parts of North and South America. They may be finger-sized plants to great trees up to 64' tall weighing many tons; or they may be slender climbers opening their huge white chalice to the tropic moon. The tree-like forms as the Sahuaro give a distinctive atmosphere to western deserts. Mexico, Central and South America all have their characteristic kinds. The flowers are often large, mostly night flowering to attract the moths which pollinate them. In South America I have seen humming birds flitting from flower to flower in the grey light of early dawn and along the Amazon the parrots grow fat eating the green fruits.

Introducing—CHAMAELOPSIS HYBRIDS



FIRE CHIEF

The first introduction of a new hybrid series, *Chamaelopsis*, noteworthy for vigorous growth and free flowering propensities. Fire Chief has large flame-red blossoms, large clusters having 10 or more flowers at one time. Well grown plants will produce several bursts of bloom spring and summer. Vigorous grower with thickened stems much branched. Best coloring and flowers in full sun. Well drained loam, watering moderately.

\$1

ARTHROCEREUS

Small cereus with long tubed white or pink nocturnal flowers.

Arthrocerus microsphaericus. Many jointed.....\$1
A. rondonianus. Slender. Flowers pink.....\$1.50

CORRYOCACTUS

Corryocactus brevistylus.....\$1
C. melanotrichus.....\$1

ACANTHOCEREUS

A. From Antioquia.....\$1
A. columbianus.....\$1
A. guatemalensis.....\$1

ARMATOCEREUS

Armatocereus chalaensis.....\$1
A. malucanensis.....\$1
A. mocupensis.....\$1
A. nozcaensis.....\$1



MOON CACTUS

Vigorous, easily grown, flowering abundantly. Large snowy blossoms opening in the evening and remaining open until late the following morning. Prefers a rich loamy soil, a sunny location and moderate watering. Train on fence or stake. Nice.....

75c

FOR THE FIRST TIME!

A fine new hybrid series between Peanut Cactus (*Chamaecereus*) and our Paramount Hybrids (*Lobivia* x *Echinopsis*). Many of these hybrids, while retaining the finger-like growth habit of Peanut Cactus, are of stouter growth, of surpassing hybrid vigor and do not fall to pieces. They are easily grown in almost any soil and flower freely—as witness the 20 flowers, not counting buds, on Fire Chief opposite! They come in various shades of red and orange some pinks and yellow, some short tubed, some long. Some long spined, some very short.

CULTURE: Any rich well drained silt loam (a soil that doesn't pack and through which water passes freely). For best flowering give full sun, loose silt soil and Cactus Food during summer.

BLUSH. See photo p. 34. Lovely blush pink. Each.....\$1

FIRE CHIEF. See photo opposite.

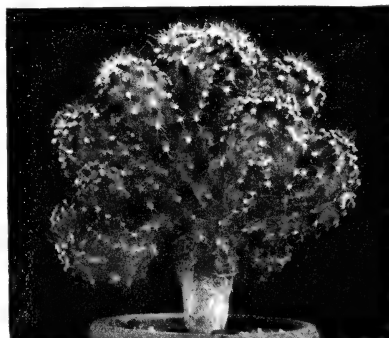
YELLOW PEANUT. Bright yellow flowers. Small plants.....\$1.45

CEREUS

A large group of tree cerei some reaching 50' others are sprawling. Night flowering often with large edible fruits. They grow rapidly and make wonderful branched specimens. Stand 10° or more of frost.

Cereus dayamii. Photo p. 35

C. gonianthus. Flowering Tree p. 35
C. horridus. Tall tree.....60c
C. huntingtonianus. Reddish flowers, purplish fruit, crimson pulp.....65c
C. hybridus monstruosus.....75c
C. lapidatus. Tall tree.....60c
C. ilanosii. Small tree.....\$1
C. milesimus. Photo p. 33



CURIOSITY PLANT

This monstrous form of *Cereus peruvianus* makes most handsome specimens. Spines often light brown, stem deep, rich green when young, turning bright blue when older. Moderate growth, eventually becoming large but easily confined to a pot. Full sun will give best coloring. Give rich loam and water moderately during summer. Large \$1.50, 4" specimens \$1, small.....

50c

CULTURE OF CEREI

MOST of this group do very well under almost all average conditions. Their root systems are vigorous and if the plants are not too persistently overwatered they give a good account of themselves. They like the same type of soil as other cacti; a reasonably rich but quite porous compost or soil through which water drains quickly. Coarse, porous soils allow air to penetrate freely to the roots preventing rot. A good basic compost is 1 part crumbly loam, 1 part coarse sand, 1 part leafmold or peatmoss. This may be varied to suit your own requirements. Granulated charcoal is very useful as it perlitte sometimes sold under the name of Spongerok. They can take the place of part of the sand with great benefit.

MOON CACTI

ERIOCREUS

Tall climbing cerei with large nocturnal flowers. Easily grown, freely flowering.

Eriocereus bonplandii. A glorious species with 6" white flowers. When well grown it is a tremendous bloomer. Large 6" to 8" plants from flowering specimens \$1

E. martinii. Large 5" flowers. 75c

E. guelichii. Huge vine. Very large flowers. Immense bloomer 75c

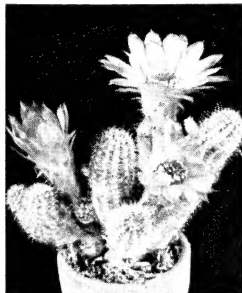
E. pomanensis. Tall vine. Large white blossoms. Vigorous grower. 75c

E. tortuosus. Spiny free flowering plant. Handsome scarlet fruits 75c



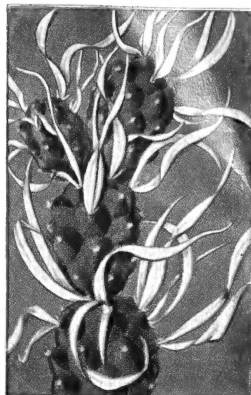
WOOLLY TORCH

As the photo shows, mature plants of *Cephalocereus palmeri* have abundant wool and handsome blue stems. Give full sun, water moderately during summer and give a rich well drained soil. Seedlings 3"-4" **60c**



FLAME PEANUT

Bearing flame red flowers several times during summer makes this *Chamaecereus* hybrid outstanding. Similar to Peanut Cactus in habit, but larger. Thickened stems, vigorous growth soon forming a large clump. Does best in full sun, sandy loam, moderate watering. An occasional fertilizing will speed flowering. Each **60c**



PAPER SPINED OPUNTIA

Small green globes perched one atop the other with white papery ribands for spines. The more sun it receives, the whiter and longer the ribands become. *Tephrocactus glomeratus* requires full sun, well drained soil, and watering when dry **40c**

ESPOSTOA

Espositoa chilensis.

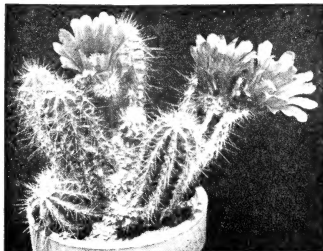
Pinkish hair.....

\$1.50

WILCOXIA

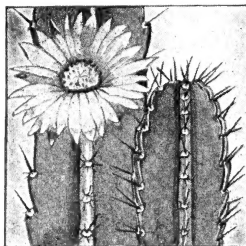
Small Mexican cerei with very pretty blossoms. Small plants flower freely.

Wilcoxia papillosa. (W. senilis) Stem clothed with silky white-grey hairs. Flowers purple. Each..... **\$1.50**



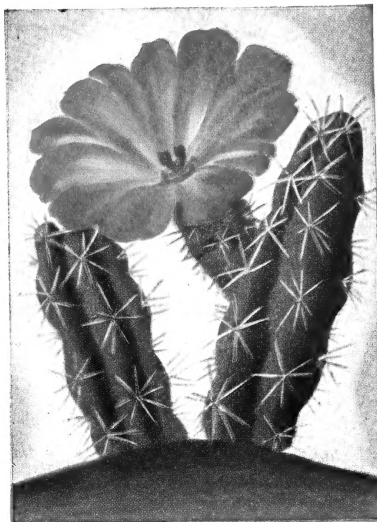
PURPLE HEDGE HOG CEREUS

Thick stems branching freely from base, light-green with white spines. *Echinocereus sarriphorus* has gorgeous purple blossoms with a satiny sheen. Growing easily in full sun, light loam with moderate watering. A choice plant. To insure flowering give winter rest at cool temperatures..... **60c**



CEREUS MILESSIMUS

Fine tree Cereus with snowy blossoms, bright red tasty fruits. A quick growing plant. Large specimens many be 10' tall and much branched. Easily confined to a pot with smaller growth. Stands 10° of frost or more. Give a rich loam and water freely during summer. 6"-7" **75c**, Small..... **50c**



HEDGE HOG CEREUS

Fingerlike stems 3"-6" long branching freely from base with gorgeous lavender flowers. A large cluster may bear 10 blossoms at one time. *Echinocereus pentaphorus* is of easy culture, doing best in full sun with moderate watering and well drained soil. If grown in a pot the stems will cascade over the edge. Fine..... **50c**

LEMAIREOCEREUS

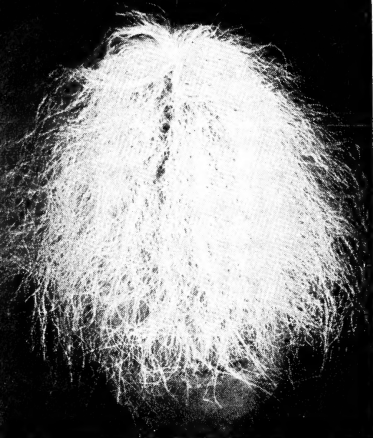
Generally tall tree cerei branching from base.

L. chichipe (*Stenocereus*) 75c
L. dumortieri 75c
L. griseus 75c
L. stellatus 60c
L. thurberi. 6"-8" specimens \$1.25
L. weberi. Huge species \$1
L. pruinosus. Powder Blue Cereus..... 50c



PEANUT CACTUS

A favorite for many years, *Chamaecereus sylvestrii* continues in popularity because of its easy culture and bright red blossoms. Slender finger-like stems 3"-4" tall branching freely during summer. Give winter rest at cool temperatures to insure flowering..... **40c**



OLD MAN

Long snowy white hair endears this beauty to all collectors. Even tiny plants have the long hair. A native of Mexico, *Cephalocereus senilis* prefers a sunny location and a very porous soil watering only when dry. 9"-10" \$5, 7"-8" \$3.50, small 50c.

Larger..... **75c**

CLEISTOCACTUS

A large group of small columnar or clustered cacti with tubular red blossoms from the Andes of S. America.

- Cleistocactus baumannii*. Scarlet Bugler P. 33
C. dependens. New \$1
C. hyalacanthus. Glassy white spines..... 60c
C. luribayensis \$1
C. morawetzianus \$1
C. strausii. Silver Torch—see below.

CHAMAECEREUS

There are several varieties of the Peanut Cactus now available.

- Chamaecereus Jumbo*. A larger form..... 60c
C. Flame. See photo p. 33
C. giganteus. Bears enormous watermelon-red flowers \$1

EULYCHNIA

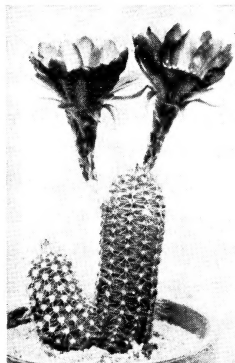
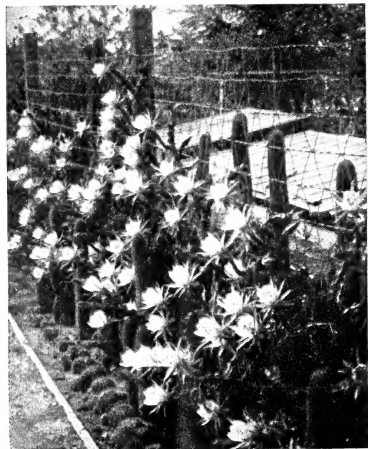
- E. castanea*.....\$1.25 *E. iquiquensis*.....\$1.25

MORAWETZIA DOELZIANA

Small white hairy cereus with red-pink brilliant blossoms. 5"-6"\$1.50

MOON CEREUS

Eriocereus martinii is a free flowering, scandent climber whose charming blossoms are borne at night. Bright red fruits are very attractive. Give it rich soil and a large pot as it is a vigorous grower. If given plenty of sun they flower freely. 6 inch, rooted cuttings 75c, Small 3"-4".....50c



BLUSH

The first introduction of our new *Chamaecereus* series. Handsome plants with thick, finger-like stems. Attractive blush-pink blossoms appear freely during summer. Each..... **\$1**

MONVILLEA

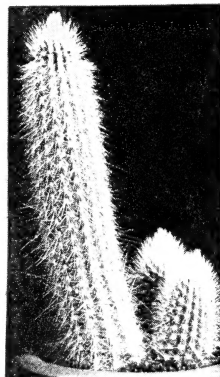
Pretty S. American cerei with large white nocturnal flowers.

- Monvillea exaltata*. Peru. New. 18'.....\$1
M. macpensis. New. Peru\$1
M. pucariensis. New\$1
M. spegazzini. Marbled blue\$1
M. maritima. \$1. *M. saxicola*.....\$1
M. cavendishii. Brazilian Rock75c



A PHILIPPINE COLLECTION

The beautiful collection of Mrs. Medina-Go, Ozamiz City, Philippines contains some 125 different varieties. Note the well grown specimens so tastefully arranged. Cacti can be grown almost anywhere with proper care.



SILVER TORCH

Slender columns clothed with glassy white spines. Soon branching from the base, *Cleistocactus strausii* makes handsome colonies. Tubular red flowers. Easily grown. Plant 3 for balanced pot. 3 for \$1.25. **50c**

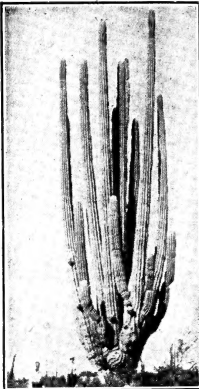
BOLIVICEREUS
B. samaipatanus. Slender clustering cereus.....\$1

ERDISIA
E. limitambensis. Slender cereus. Brilliant blossoms\$1.25

WEBEROCEREUS
W. bialleyi. Small climber75c
W. trichotus. Handsome climber75c

WERCKLEOCEREUS
W. glaber. White flowers75c
W. tonduzii. Large white flowers\$1

TOTEM POLE
Lophocereus schottii monstruosus. A curious knobby spineless cactus from Baja California. Scarce. 5"-7"\$2.75



GIANT MEXICAN CEREUS

One of the largest cacti. *Paichycereus pringlei* makes handsome columnar plants for pots. Mature plants reach 60 ft. Give full sun, well drained loam. Water when dry. Each..... **45c**

TRICHOCEREUS

A large flowered group of S. American cacti of easy culture and fast growth. Columnar, some procumbent, some branching from base, and others forming huge trees. Flowers opening in evening, remaining open until morning. Like a rich porous soil, sunny location.

- Trichocereus akersii*. Handsome white haired plants with salmon pink flowers.....75c
T. bridgesii. Blue stems. 6" cuttings.....\$1
T. candicans75c
T. cuscoensis. Blue stems\$1.25
T. chuquibamba. From Chuquibamba\$1
T. coquimbano\$1
T. gladiatus60c
T. huanucoensis. Giant spineless.....85c
T. infundibuliformis 15". New.....\$1.25
T. knuthianus. 6" cuttings\$2
T. lamprochlorus. Large flowered.....\$1
T. litoralis. Branched species75c
T. macrogonus. Huge flowers. 6" cuts.....\$2
T. pachanoi. Seedlings—60c, Spineless 6" cuts\$1.50
T. pasacana. Large columnar60c
T. poco. Handsome red flowers.....4" 75c
T. purpureopilous. Creeping75c
T. shafteri\$1
T. schickendantzii\$1
T. spachianus. White Torch p. 3560c
T. terscheckii\$1
T. terscheckii x *T. chilensis* hyb. Beauties.....\$1
T. thelagonus. Creeping\$1

OREOCEREUS

Oreocereus trollii. Old Man of the Mountains. Beautiful snowy wool. Choice. Small—60c, larger90c

LOXANTHOCEREUS

- L. eriostichus*\$1
L. faustianus\$1

MYRTILLOCACTUS

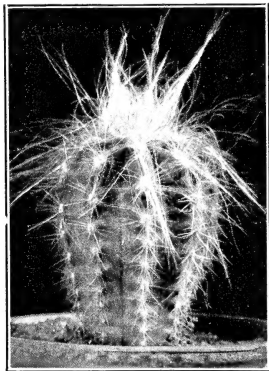
- M. geometrizans*. Blue Myrtle. Bright blue stem60c
M. schenckii. Pale green50c

THRIXANTHOCEREUS

T. blossfeldiorum. Handsome tall cereus with white beard-like pseudocephalium. Nice 5"-6"\$2.50

SUHUARO

Carnegiea gigantea. Also Sugarloaf. The Arizona Giant is one of the largest cacti. Small50c



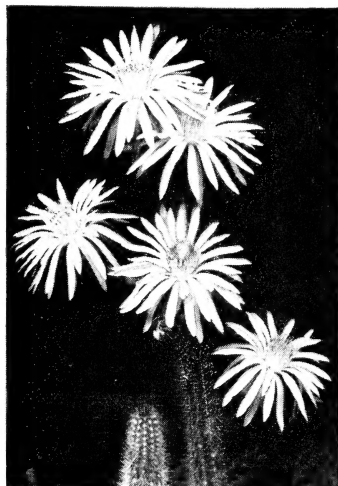
OLD MAN OF ANDES

Long silky white hair. *Oreocereus celsianus* makes attractive short columnar specimens. As plant matures more hair forms and spines often turn brick red. Give full sun for best coloring. Sandy loam, water when dry. Beauties.....\$1



DAYAM'S TREE

One of the best fruiting and flowering kinds. Bears big tomato-like half pound fruits which are quite fragrant and delicious, the pulp crystalline white and sweet. Tree-like in habit making a good pot plant. 6"-7" 60c. *Cereus dayamii*. Nice..... **40c**



FRAGRANT NIGHT FLOWERING CEREUS

An old favorite, *Nyctocereus serpentinus* opens its snowy flowers at dusk, keeping them open until morning the following day. Branching from the base with slender stems. Full sun, rich loam. Cuttings from mature plants..... **60c**

SAMAIPATICEREUS

S. peruvianus\$1.35

BORZICACTELLA

B. viperina\$1.35
B. prostrata\$1.50

PENIOCEREUS

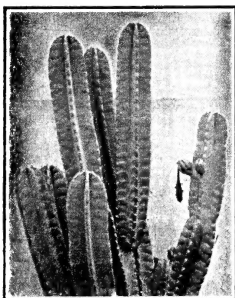
Very handsome night blooming cerei the long white flowers very fragrant. Roots tuberous.

P. diguei\$2.50
P. jreggii\$1
P. johnstonii\$2.50

SETICEREUS

Lovely plants with bright yellow or reddish spines. Flowering heads produce long bristles. Flowers deep orange. Highly attractive plants.

Seticereus icosagonus, Peru 6"-7" 60c. Small..... **40c**



FLOWERING TREE CEREUS

A free flowering tall plant large white lily-like blossoms and large tomato-like edible fruits with crystalline sweet pulp. May be stored in frost free basement. Large 6"-7" 60c. Small..... **40c**

NIGHT BLOOMING CEREI

Many of the semi-climbing cacti open their huge flowers at night. Generally they are grown in too much shade to mature growth. Sun. Cactus Food.

Solenicereus conforus75c

S. donkelaarii. Large white and gold flowers. Dwarf grower75c

S. grandiflorus armillatus \$1. *S. homatus* 75c. *S. hondurensis* \$1. *S. murrillii* 75c. *S. spinulosus* \$1. *S. urbinianus* 75c. *S. vagans* \$1. *S. wercklei* 75c.

HYLOCEREUS *bronzensis* \$1.25. *H. calcaratus* \$1. *H. costaricensis* \$1. *H. extensis* 75c. *H. guatemalensis* \$1. *H. ocamponis* \$1. *H. peruvianus* \$1. *H. stenopteris*. Red \$1.50. *H. undatus* \$1. *H. polyrhizus* \$1.

MEDIOCACTUS *coccineus* \$1. *M. megalanthus*\$1

HARRISIA *nashii*. Grows like small tree...\$1

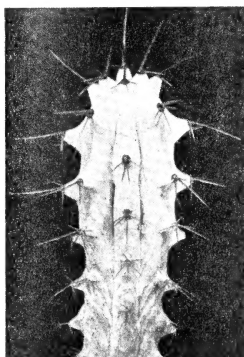
ERIOCIEREUS. See p. 33

WILMATTEA *minutiflora*. Small flowers..\$1.50



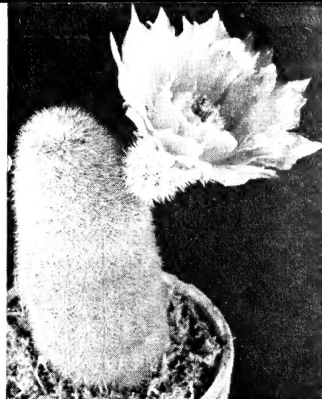
WHITE TORCH

Exceedingly easy to grow. *Trichocereus spachianus* has clean limbed growth and handsome 6" snowy blossoms. Branching from the base it soon forms a nice clump. Makes a fine grafting stock. Will stand 15 above. A beautiful popular plant for every collection. Nice..... **60c**



LEMAIREOCEREUS BENECKII

Powdery white stems and jet-black spines. When spines first appear they and the stem of young plants are reddish brown. A choice collectors item making nice small clumps. Give full sun for best coloring..... **\$1**



ECHINOCEERUS DASYACANTHUS

Thick short stem completely clothed with cream to reddish spines. Large lemon yellow blossoms appear during summer. To flower this beauty, plant in builder's sand with 1/4 humus, give full sun, watering when dry and keep in cool location during winter. Hardy. Mature, flowering size plants..... **75c**

SPECIALS

CACTUS ASSORTMENTS

BEGINNERS COLLECTION H16

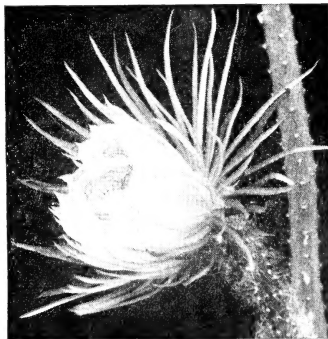
15 assorted Cacti and Succulents. A well selected group of choice plants, bright spined and flowering cacti, attractive interesting succulents all of good size. All plants labelled. The set only..... **\$5**

FANCIERS COLLECTION H17

30 Fine Cacti and Succulents for the discriminating collector. Includes many rare items not in this catalog. A group any collector would be pleased to have. *Notocactus*, *Orchid Cactus*, *Haworthias*, *Euphorbias*, *Crassulas*, etc. Correctly labelled. The set only..... **\$10**

SUPERB FANCIERS COLL. H18

100 Choice cacti and succulents including many collector's items—some of our most rare. Our finest collection. All correctly labelled. The set only..... **\$29.95**



PRINCESS OF NIGHT

Shimmering white and gold blossoms of breathtaking beauty. Long slender stems almost spineless easily trained on a trellis or against a wall. Plant *Selenicereus perianthus* in part shade or protect from afternoon sun. Give rich loam watering well during summer. Our plants are cuttings from mature plants to insure early flowering..... **60c**

JOHNSON CACTUS GARDENS
PARAMOUNT, CALIF.

RETURN POSTAGE GUARANTEED

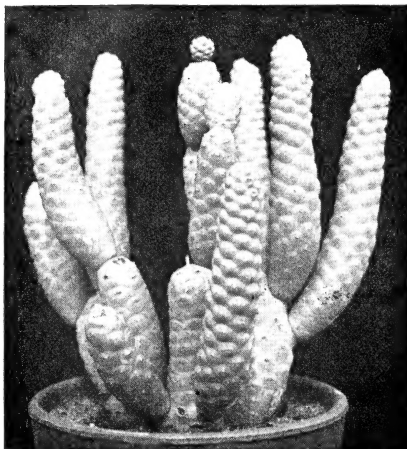
BULK RATE
U. S. POSTAGE
PAID
Permit No. 1
Paramount, Calif.

U.S. Dept. Of Agriculture
Library-Division of Bibli-
ography
Washington 25
D. C.



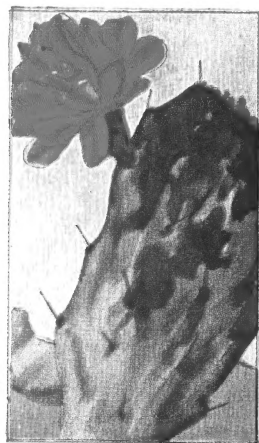
TIGER ALOE

Also Partridge Breast. Aloe vari-
egata is a fine small
plant..... **45c**



SPRUCE CONES

A spineless variety, Tephrocactus strobili-
formis is native to Argentina. The fat, smooth
stems are pale green.
Full sun..... **45c**

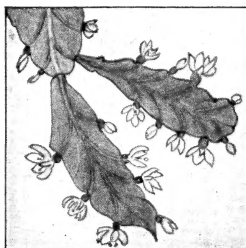


JOSEPH'S COAT

Variegated in yellow, green and
pink. Opuntia vulgaris variegata is
easily grown in a sunny
window. Each..... **40c**

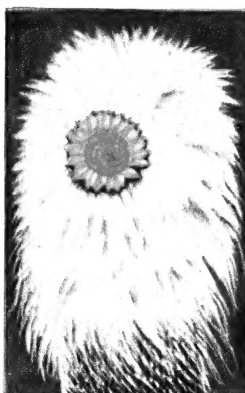
**RHIPSALIS
RHOMBEA**

A coppery-green
plant from Brazil.
It grows quickly
and with its col-
ored stems and
creamy flowers is
quite attractive. Up-
right but as the
branches lengthen
becomes pendent. A
nice basket or ledge
plant. Shield from
midday sun..... **40c**



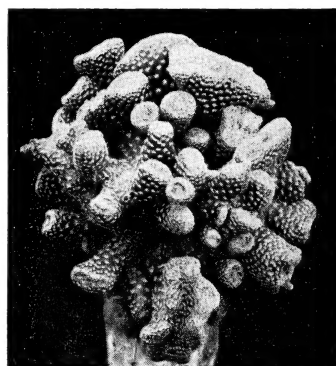
**CHIAPASIA
NELSONII**

The bright violet
pink blossoms are
about 2 1/2" long
borne abundantly in
the spring. This
pretty epiphytic
Mexican cactus has
long terete stems
from which spring
the thin flattened
side branches. Cul-
ture as for
Orchid Cacti... **\$1**



OLD MAN CACTUS

Cephalocereus senilis should
be in
every collection. **50c.**
Larger..... **75c**



OPUNTIA CLAVARIOIDES

Strange and bizarre rarity from Chile. Slow
growing on own roots, or fine as a grafted plant
as shown in photo. Water only
when dry. Small..... **\$1.25**

JOHNSON CACTUS GARDENS
COME SEE US! 16613 S. Garfield Ave., Paramount, California